

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

05/13/2011

Kathryn Hinman
Assistant District Attorney, Suffolk County

Dear ADA Hinman,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan, Della Saunders & Kate Corbett
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan & Della Saunders was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan & Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us



DRUG RECEIPT

CC # [REDACTED]
BOOK # 11
PAGE # 33
DESTRUCTION # _____

District/Unit E-5 / DCU
Name & Rank of Arresting Officer P.O. SEAN DORRIS ID# 11597

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[REDACTED]	[REDACTED]	ROSLINDALE	MA

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	LAB USE ONLY
			ANALYSIS NUMBER
HEROIN	1 p/b	5.60g	[REDACTED]
HEROIN	3 p/b	3.05g	
HEROIN	3 p/b	3.03g	

To be completed by ECU personnel only

Name and Rank of Submitting Officer Smalls ID# 9800
Received by [Signature] Date 12-23-10
ECU Control # _____



DRUG RECEIPT

CC # [REDACTED]
BOOK # 11
PAGE # 34
DESTRUCTION # _____

District/Unit E-5/DCU
Name & Rank of Arresting Officer P.O. Sean Deery ID# 11597

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[REDACTED]	[REDACTED]	<u>Roslindale</u>	<u>MA</u>

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	LAB USE ONLY	
		GROSS WEIGHT	ANALYSIS NUMBER
<u>Heroin</u>	<u>5 P/B</u> <u>2 P/B</u> <u>3 P/B</u>	<u>94.88g</u>	<u>B10-14769</u>

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sparks ID# 9800

Received by [Signature] Date 12-23-10

ECU Control # _____

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

No. [REDACTED] Date Analyzed: 02-1-11
City: Boston D.C.U. Police Dept.
Officer: P.O. CRAIG SMALLS
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 12/23/2010 No. Analyzed:
Gross Wt.: 5.60 Net Weight: 2.52g
Tests: 5 PJF
Prelim: heroin Findings: 2 ASD
Heroin

No. [REDACTED] Date Analyzed: 02-01-11
City: Boston D.C.U. Police Dept.
Officer: P.O. CRAIG SMALLS
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 3 Cont: pb
Date Rec'd: 12/23/2010 No. Analyzed: 1
Gross Wt.: 3.05 Net Weight: 0.34g
Tests: 5 PJF
Prelim: heroin Findings: 2 ASD
Heroin

No. [REDACTED] Date Analyzed: 02-1-11
City: Boston D.C.U. Police Dept.
Officer: P.O. CRAIG SMALLS
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 3 Cont: pb
Date Rec'd: 12/23/2010 No. Analyzed: 1
Gross Wt.: 3.02 Net Weight: 0.33g
Tests: 5 PJF
Prelim: heroin Findings: 2 ASD
Heroin

No. [REDACTED] Date Analyzed: 02-1-11
City: Boston D.C.U. Police Dept.
Officer: P.O. CRAIG SMALLS
Def: [REDACTED]
Amount: A: 4 B: 1
No. Cont: 5 Cont: pb
Date Rec'd: 12/23/2010
Gross Wt.: 94.88
Subst: SUB
No. Analyzed: A: 54.8
Net Weight: 25 ASD
Tests: 5 PJF

Prelim: (A) Heroin
Findings: (A) Heroin
(B) cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston DCU

ANALYST

ADJ

No. of samples tested: _____

Balance Vok 11/28/11

Mettler 1117461624

Evidence Wt.

5.5977g

PHYSICAL DESCRIPTION:

Tan powdery substance contained in one (1)
clear plastic bag (Columbiana bag) contained in one
clear sealed initialed plastic bag also containing one empty
plastic bag

Gross Wt (): _____

Gross Wt ():

2.7001g

Pkg. Wt:

0.1930g

Net Wt:

2.5071g

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () +
Marquis +
Froehde's +
Mecke's +

Microcrystalline Tests

Gold
Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

heroin

DATE

1/28/11

GC/MS CONFIRMATORY TEST

RESULTS

heroin

MS
OPERATOR

ASD

DATE

2/1/11

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

BOSTON DCU

ANALYST

JES

No. of samples tested: 1

Balance VOK 1/28/11

Mettler 1117461624

Evidence Wt.

3.0442g

PHYSICAL DESCRIPTION:

Tan powdery substance contained in three (3)
clear plastic bags (all double-bagged) contained in
one clear sealed initialed plastic bag

Gross Wt (3pb): 1.3492g

Gross Wt (1pb): 0.4638g

Pkg. Wt: 0.1203g

Net Wt: 0.3435g

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () +
Marquis +
Froehde's +
Mecke's +

Microcrystalline Tests

Gold
Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

heroin

DATE

1/28/11

GC/MS CONFIRMATORY TEST

RESULTS

heroin

MS
OPERATOR

ASD

DATE

2/1/11

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston DCU

ANALYST

FS

No. of samples tested: 1

Bulavok 11/28/11

Mettler 111746 11/24

Evidence Wt.

3.0039g

PHYSICAL DESCRIPTION:

Tan powdery substance contained in three (3)
clear plastic bags (all double-bagged) contained in one
clear sealed, initialed plastic bag

Gross Wt (3pb): 1.3074g

Gross Wt (1pb): 0.4318g

Pkg. Wt: 0.0980g

Net Wt: 0.3338g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate () +
Marquis +
Froehde's +
Mecke's +

Microcrystalline Tests

Gold Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS heroin

DATE 1/28/11

GC/MS CONFIRMATORY TEST

RESULTS heroin

MS OPERATOR ASP

DATE 2/1/11

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

Beige powdered substance
in 5 pbs

Gross Wt (5): 91.0

Gross Wt ():

Pkg. Wt:

Net Wt:

PRELIMINARY TESTS

Spot Tests

	1-4	1
Cobalt	A	B
Thiocyanate ()	+	-
Marquis	+	-
Froehde's	+	-
Mecke's	+	-

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Dille (B) = -

5 GC = (A) + (B) -

PRELIMINARY TEST RESULTS

RESULTS (A) Heroin (B) cocaine

DATE 1-4-11

GC/MS CONFIRMATORY TEST

RESULTS A: Heroin

MS
OPERATOR KAC

DATE A: 1-6-11

B: 1-4-11

Sample #: [REDACTED]

samples tested: 5

	#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
A1→	1	26.9	<div style="text-align: center; font-size: 4em;">X</div>	25.7	26	double bagged		
B→	2	31.9		30.9 *	27	single bagged		
A2→	3	26.6		24.1	28	double bagged		
A3→	4	2.8		2.5	29	double bagged		
A4→	5	2.9		2.5	30	double bagged		
	6				31			
	7				32			
	8				33			
	9				34			
	10				35			
	11				36			
	12				37			
	13				38			
	14				39			
	15				40			
	16				41			
	17				42			
	18				43			
	19				44			
	20				45			
	21				46			
	22				47			
	23				48			
	24				49			
	25				50			

Calculations:

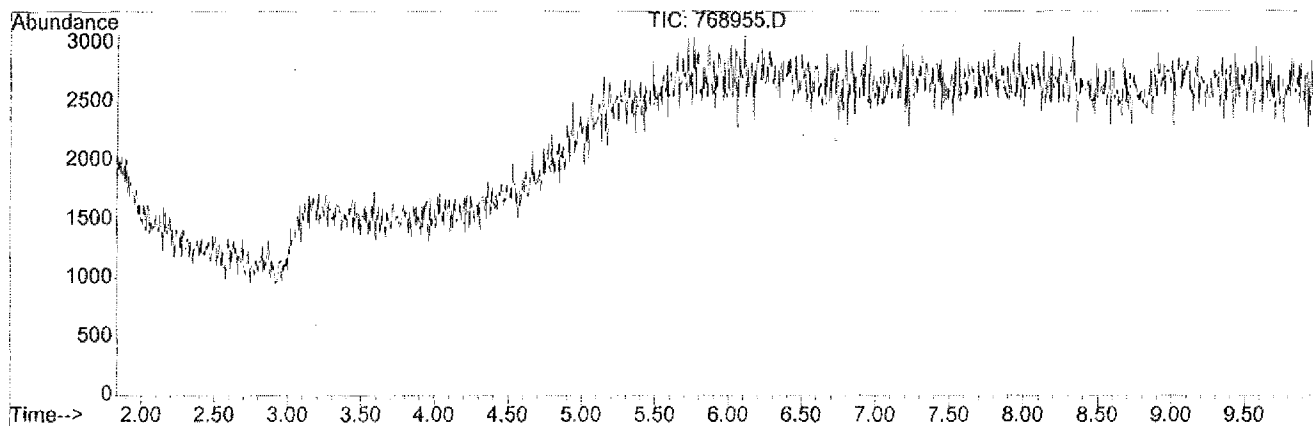
Ⓐ net wt = 54.8 (Heron)

Ⓑ net wt = 30.9 (negative)

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768955.D
Operator : ASD
Date Acquired : 31 Jan 2011 21:44
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



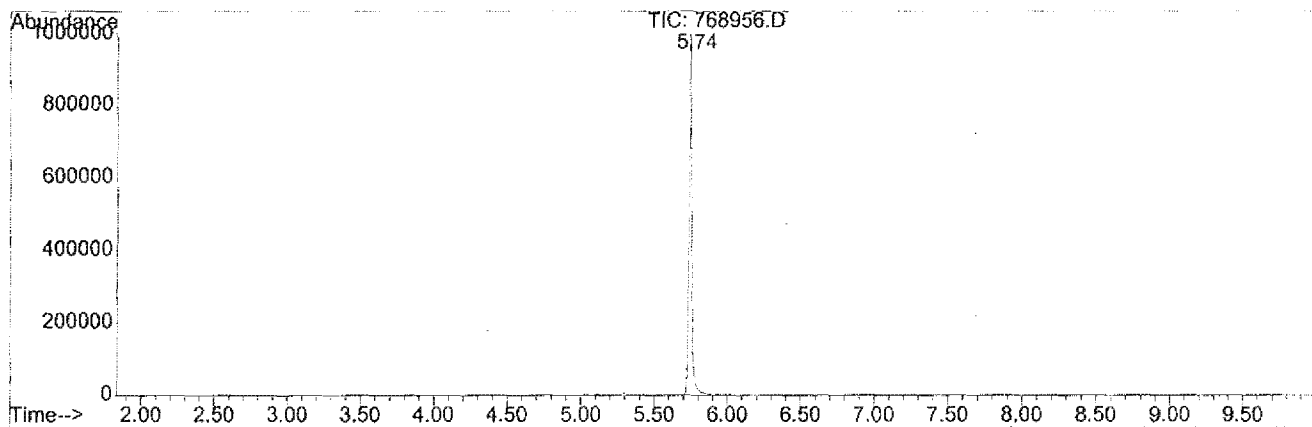
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768956.D
 Operator : ASD
 Date Acquired : 31 Jan 2011 21:57
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 56
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.744	1317012	100.00	100.00

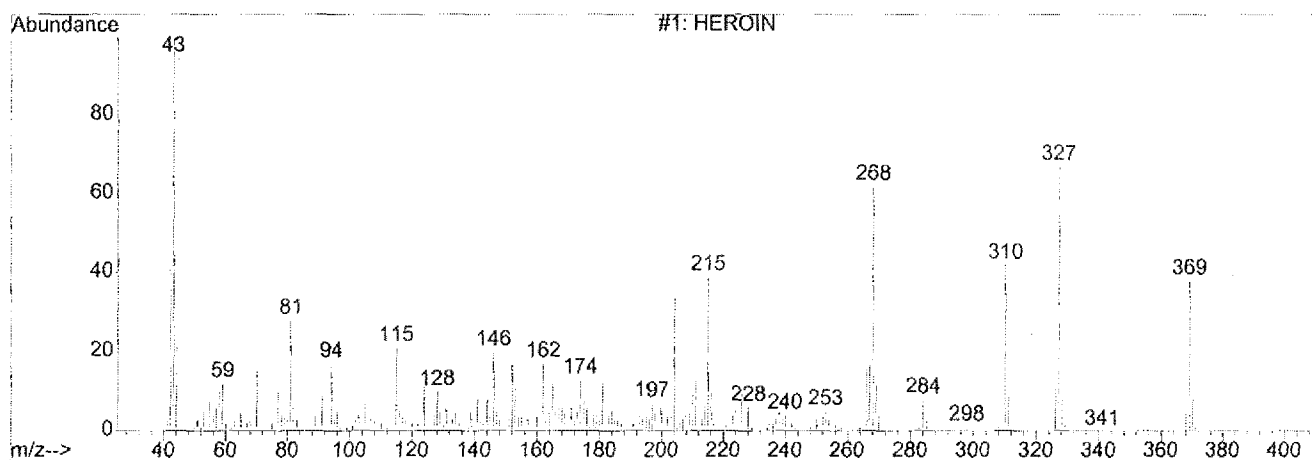
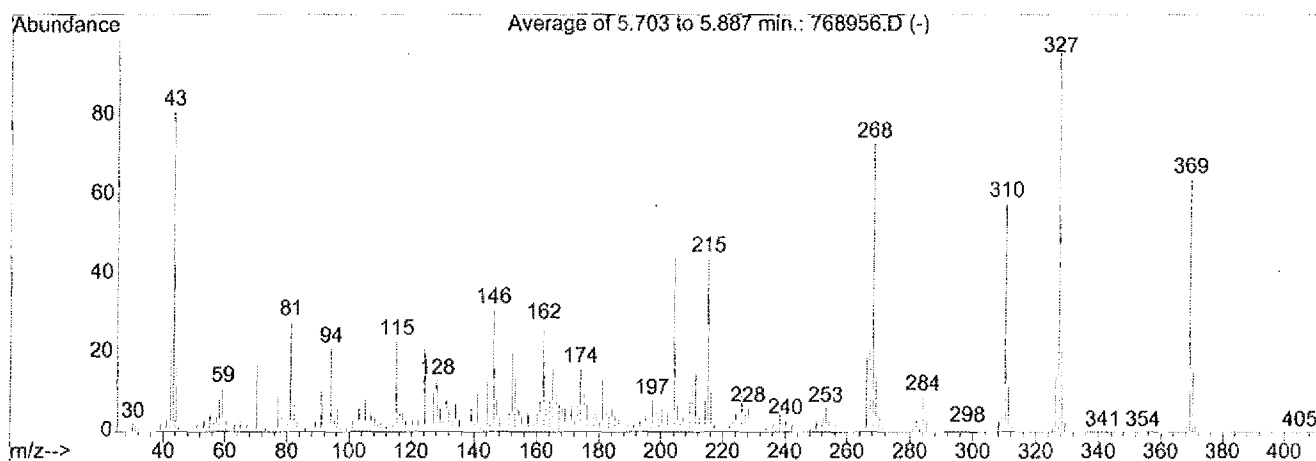
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768956.D
 Operator : ASD
 Date Acquired : 31 Jan 2011 21:57
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 56
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

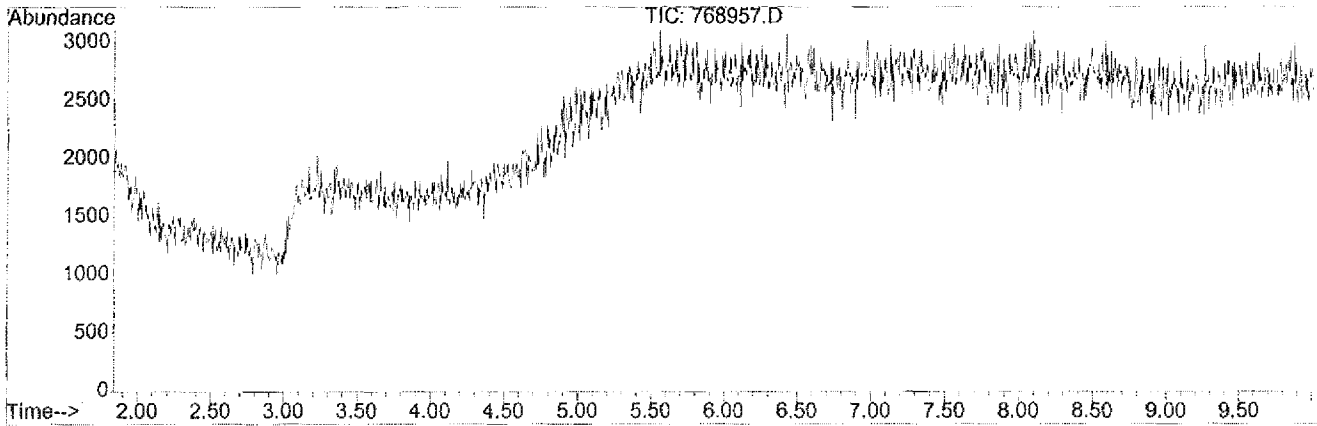
PK#	RT	Library/ID	CAS#	Qual
1	5.74	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768957.D
Operator : ASD
Date Acquired : 31 Jan 2011 22:10
Sample Name : BLANK
Submitted by : DCS
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



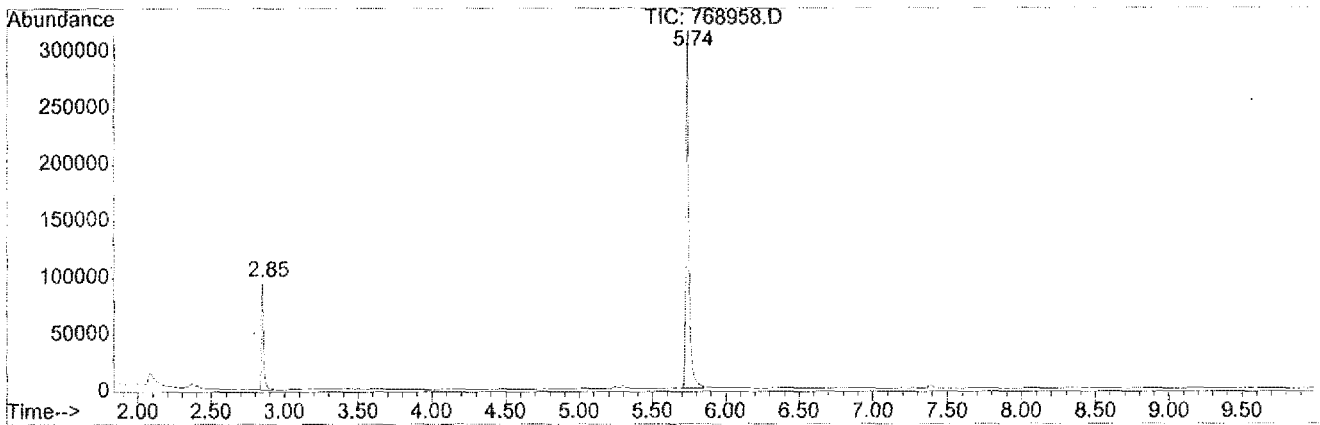
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768958.D
Operator : ASD
Date Acquired : 31 Jan 2011 22:23
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 58
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.851	104123	18.76	23.09
5.739	450895	81.24	100.00

Area Percent / Library Search Report

Information from Data File:

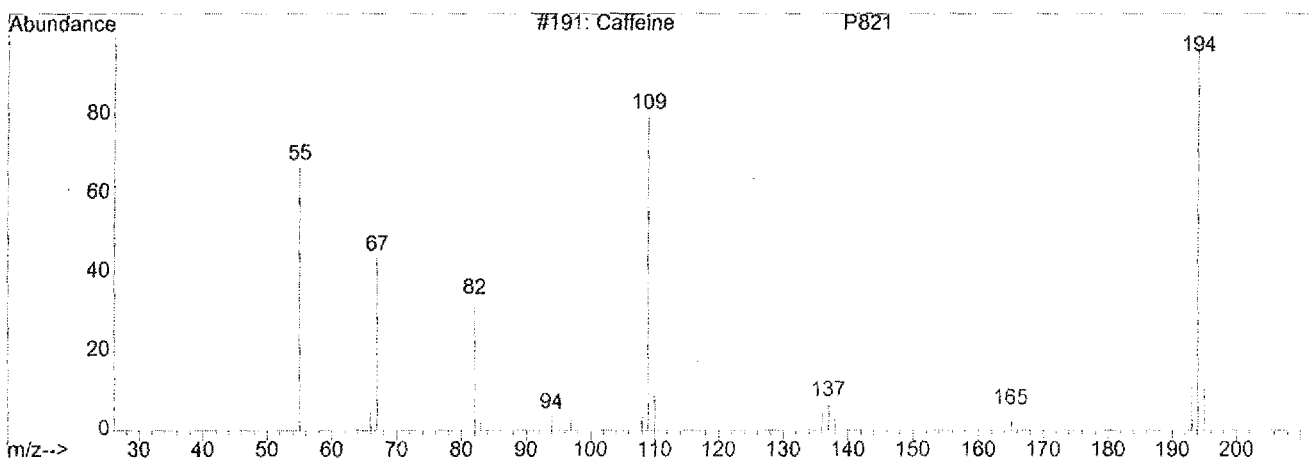
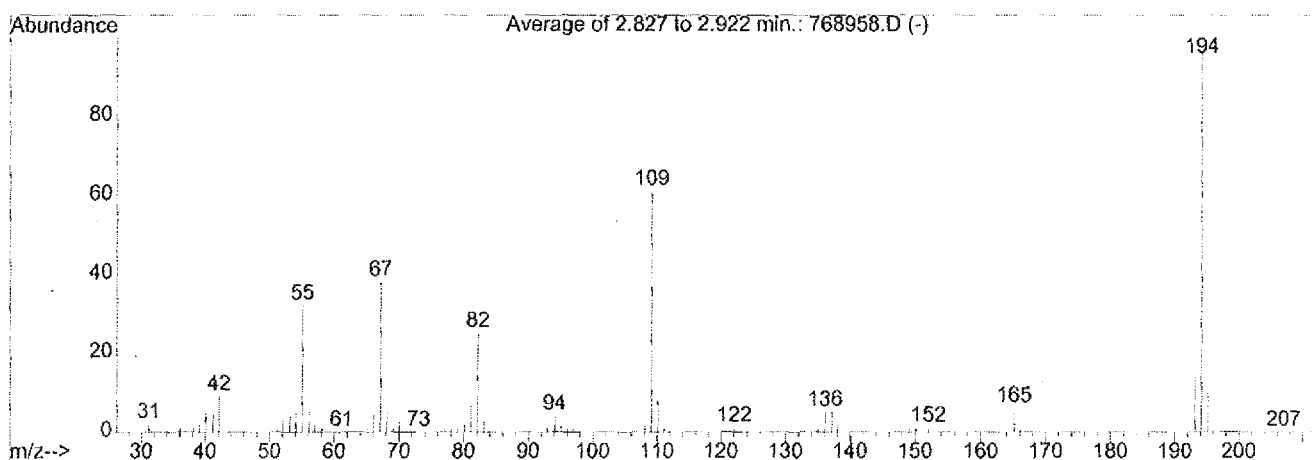
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File Name       : F:\Q1-2011\SYSTEM6\01_31_11\768958.D
Operator        : ASD
Date Acquired   : 31 Jan 2011  22:23
Sample Name     : ██████████
Submitted by    : DCS
Vial Number     : 58
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.85	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	95
		Proxyphylline	000603-00-9	4
		Paracetamol	@ 000103-90-2	4



Area Percent / Library Search Report

Information from Data File:

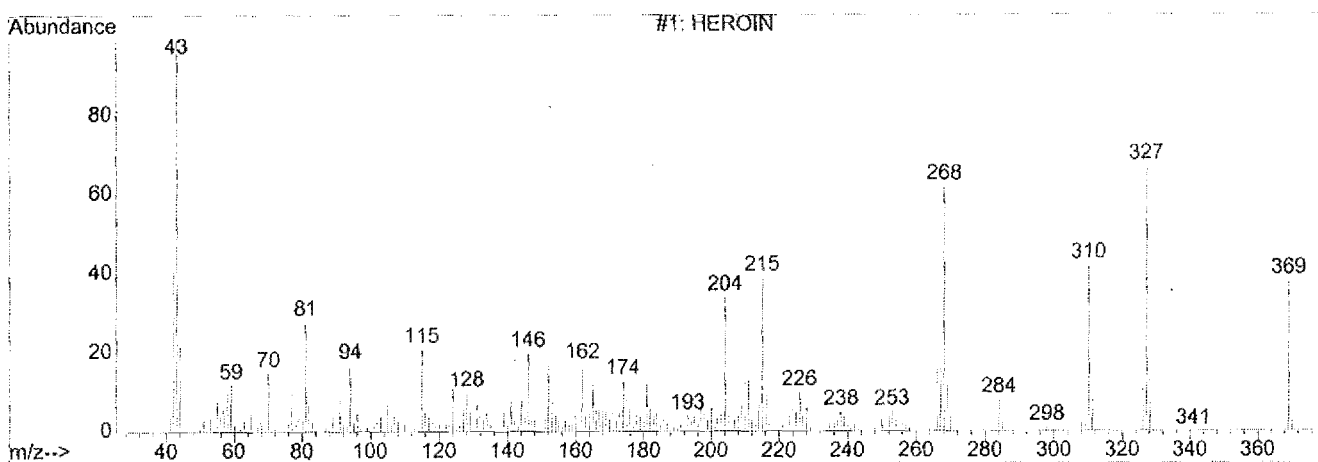
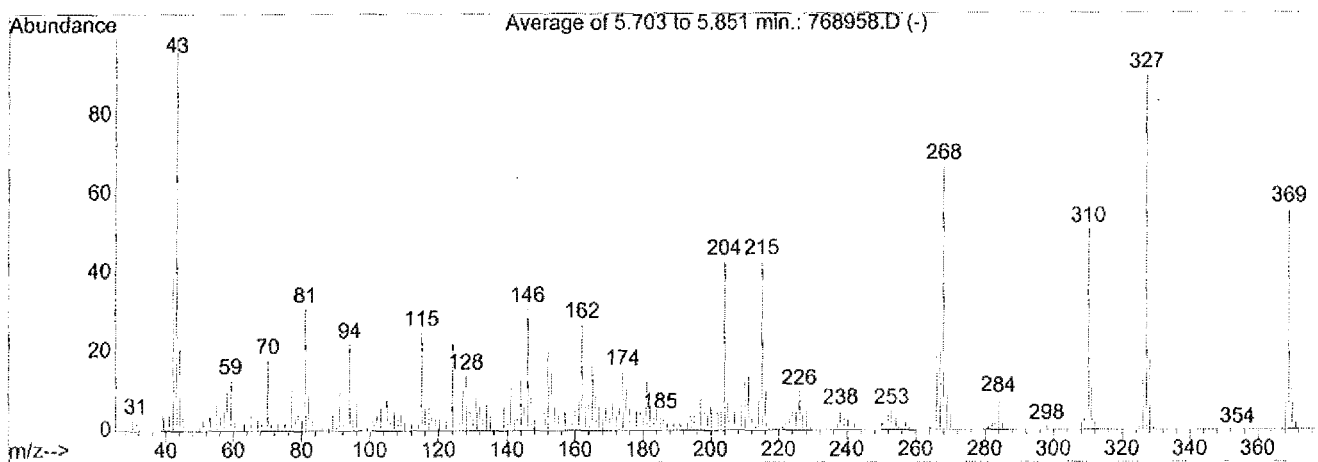
```

File Name       : F:\Q1-2011\SYSTEM6\01_31_11\768958.D
Operator        : ASD
Date Acquired   : 31 Jan 2011  22:23
Sample Name     : ██████████
Submitted by    : DCS
Vial Number     : 58
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

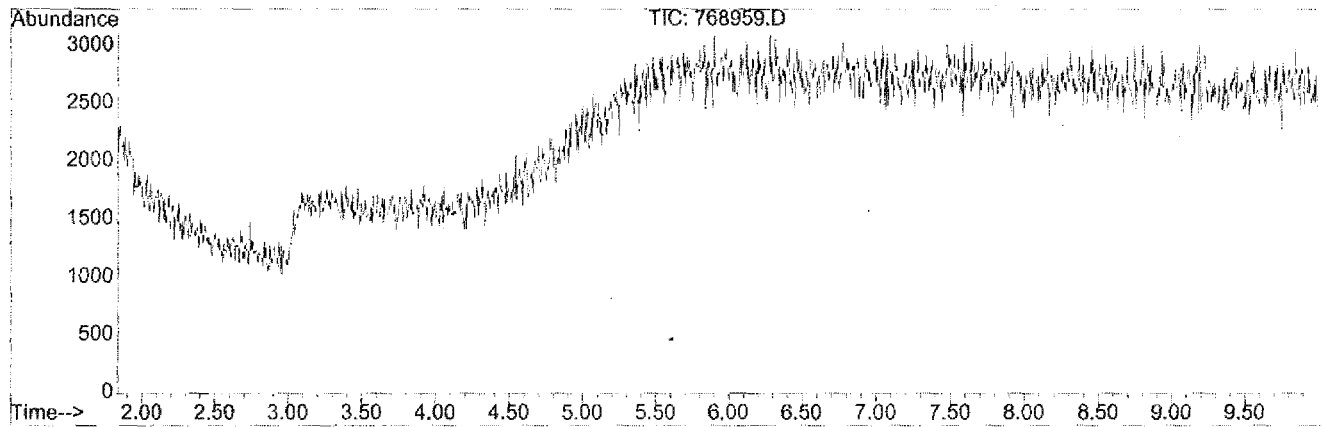
PK#	RT	Library/ID	CAS#	Qual
2	5.74	C:\DATABASE\SLI.L HEROIN	000561-27-3	94



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768959.D
Operator : ASD
Date Acquired : 31 Jan 2011 22:35
Sample Name : BLANK
Submitted by : DCS
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



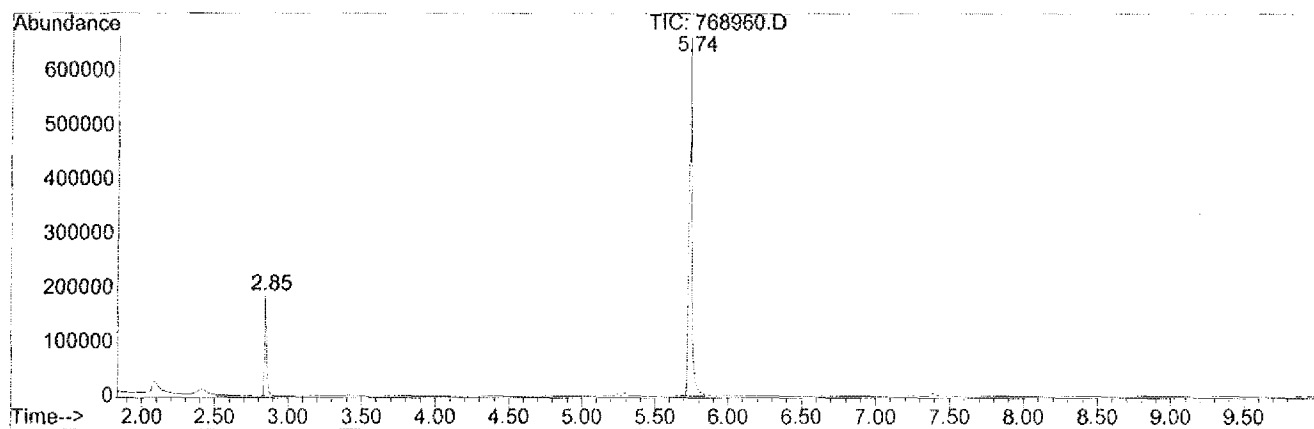
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768960.D
 Operator : ASD
 Date Acquired : 31 Jan 2011 22:48
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 60
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.845	176735	16.74	20.10
5.739	879308	83.26	100.00

Area Percent / Library Search Report

Information from Data File:

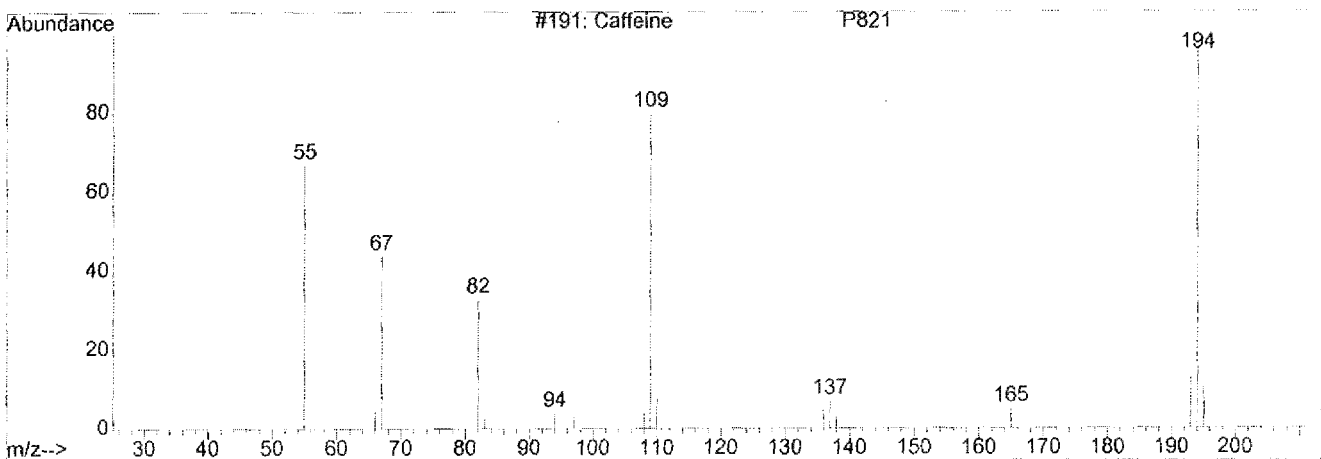
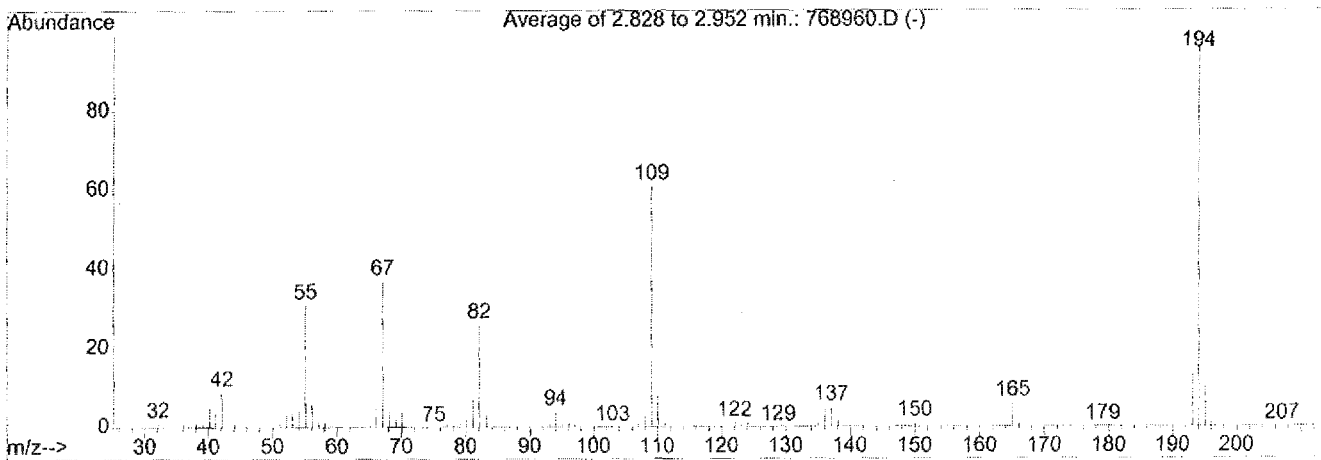
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File Name       : F:\Q1-2011\SYSTEM6\01_31_11\768960.D
Operator        : ASD
Date Acquired   : 31 Jan 2011   22:48
Sample Name     : ██████████
Submitted by    : DCS
Vial Number     : 60
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.85	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	95
		Endogenous biomolecule 2AC	000000-00-0	9
		Proxyphylline	000603-00-9	4



Area Percent / Library Search Report

Information from Data File:

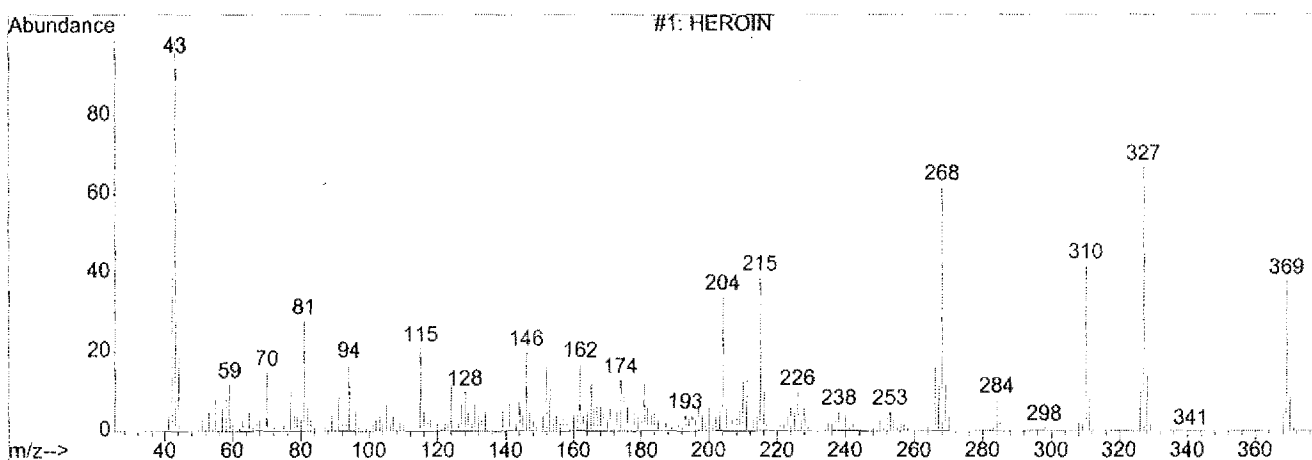
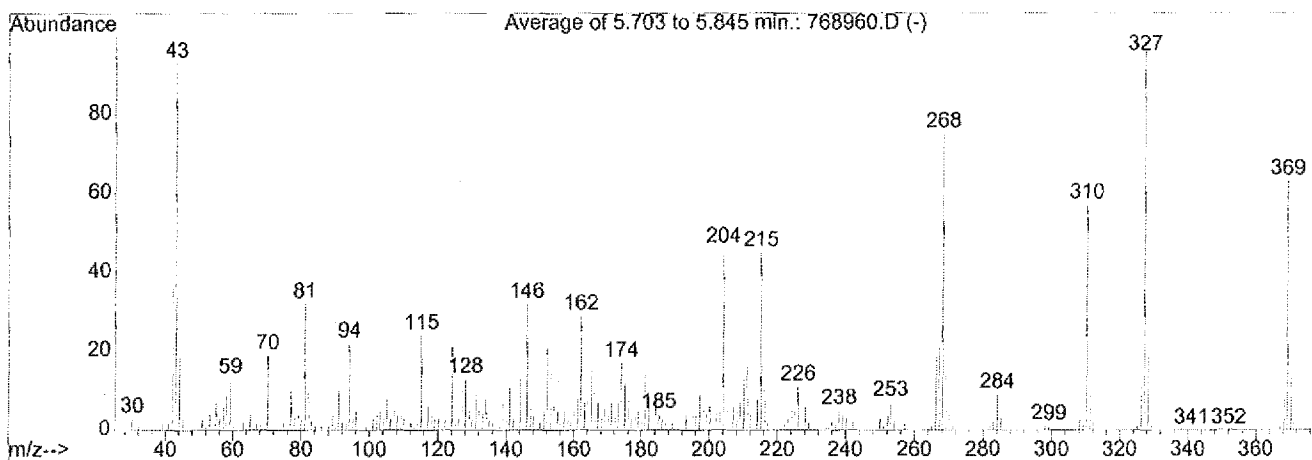
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File Name       : F:\Q1-2011\SYSTEM6\01_31_11\768960.D
Operator        : ASD
Date Acquired   : 31 Jan 2011   22:48
Sample Name     : ██████████
Submitted by    : DCS
Vial Number     : 60
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

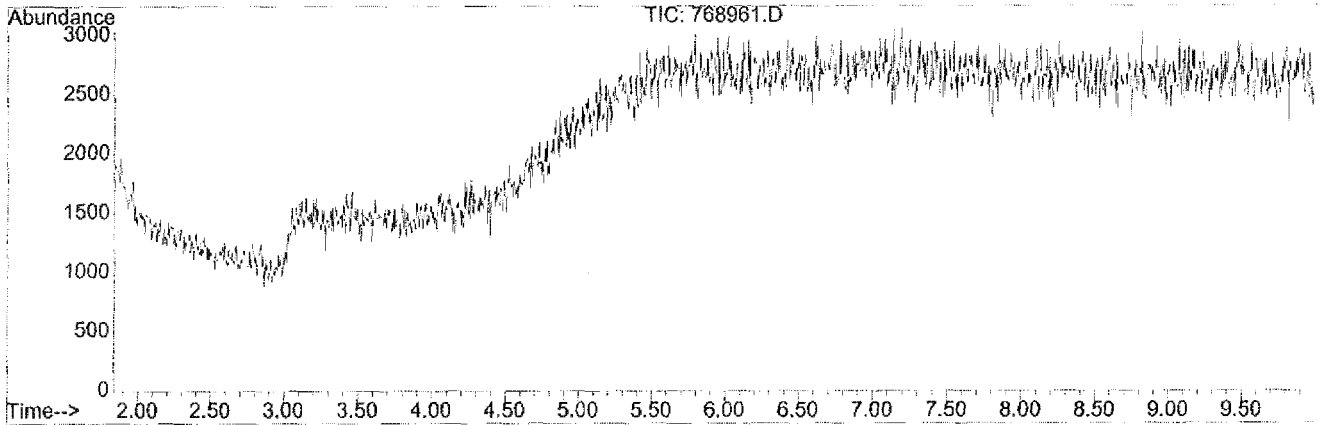
PK#	RT	Library/ID	CAS#	Qual
2	5.74	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768961.D
Operator : ASD
Date Acquired : 31 Jan 2011 23:01
Sample Name : BLANK
Submitted by : DCS
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



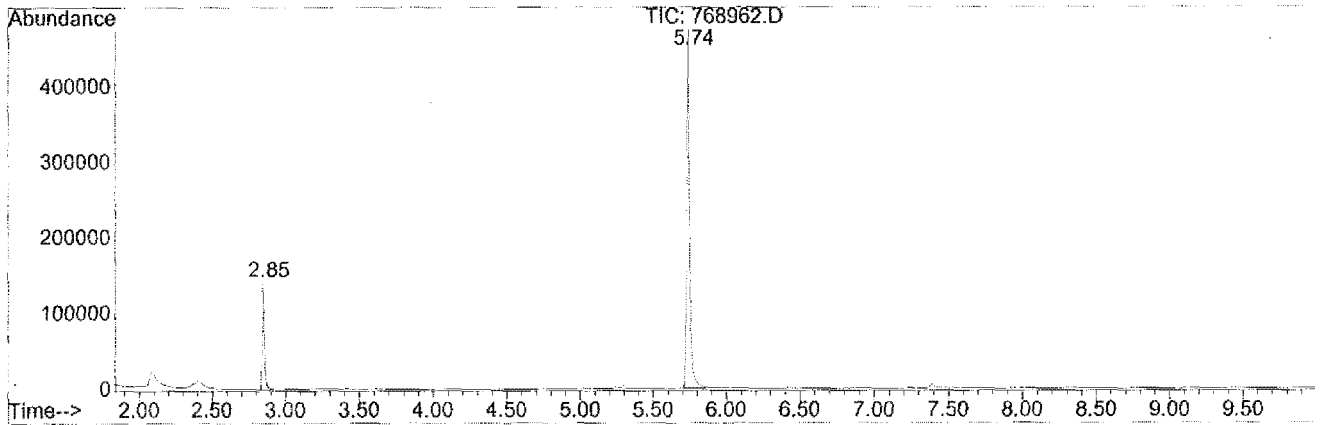
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768962.D
Operator : ASD
Date Acquired : 31 Jan 2011 23:14
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 62
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.845	138600	17.72	21.53
5.739	643614	82.28	100.00

Area Percent / Library Search Report

Information from Data File:

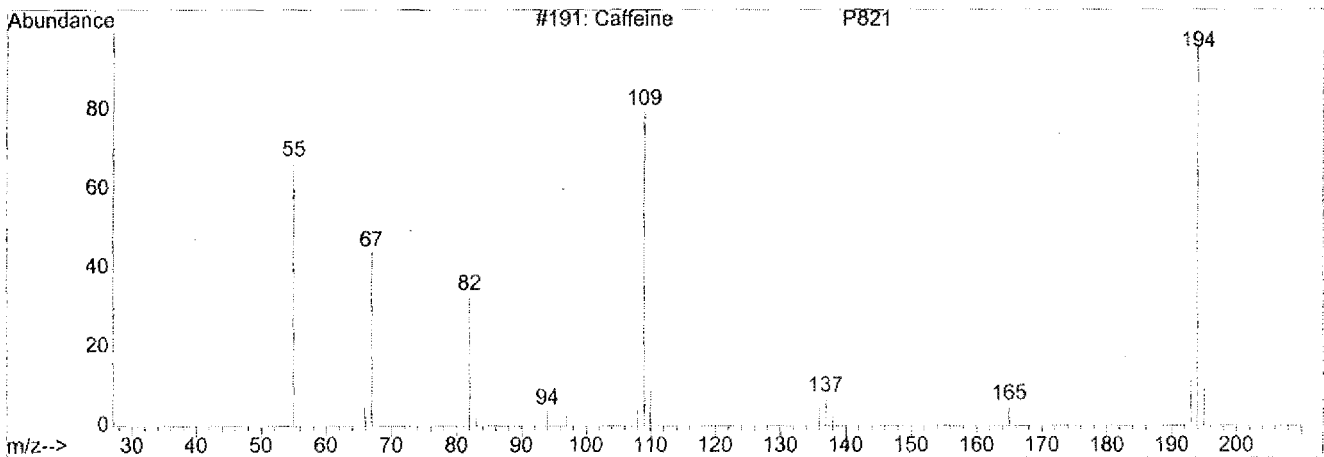
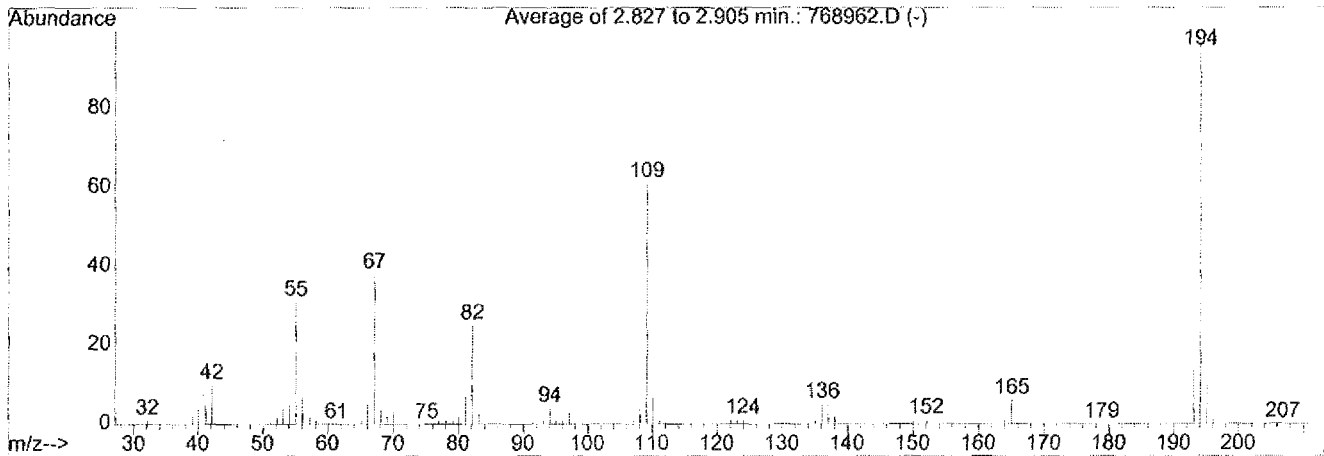
```

File Name       : F:\Q1-2011\SYSTEM6\01_31_11\768962.D
Operator        : ASD
Date Acquired   : 31 Jan 2011  23:14
Sample Name     : ██████████
Submitted by    : DCS
Vial Number     : 62
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	2.85	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	95
		Endogenous biomolecule 2AC	000000-00-0	9
		Mescaline AC	000000-00-0	4



Area Percent / Library Search Report

Information from Data File:

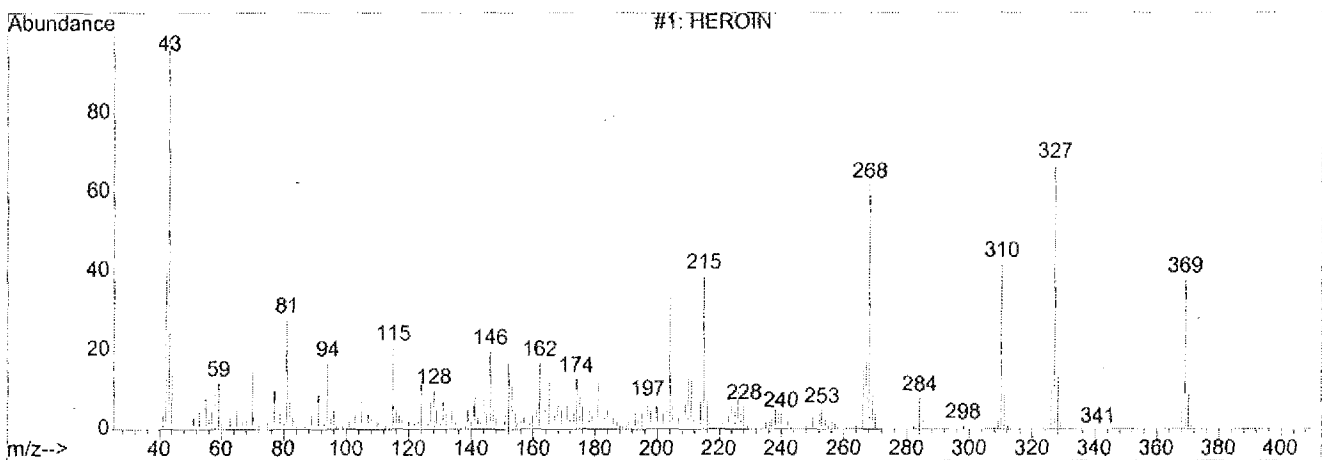
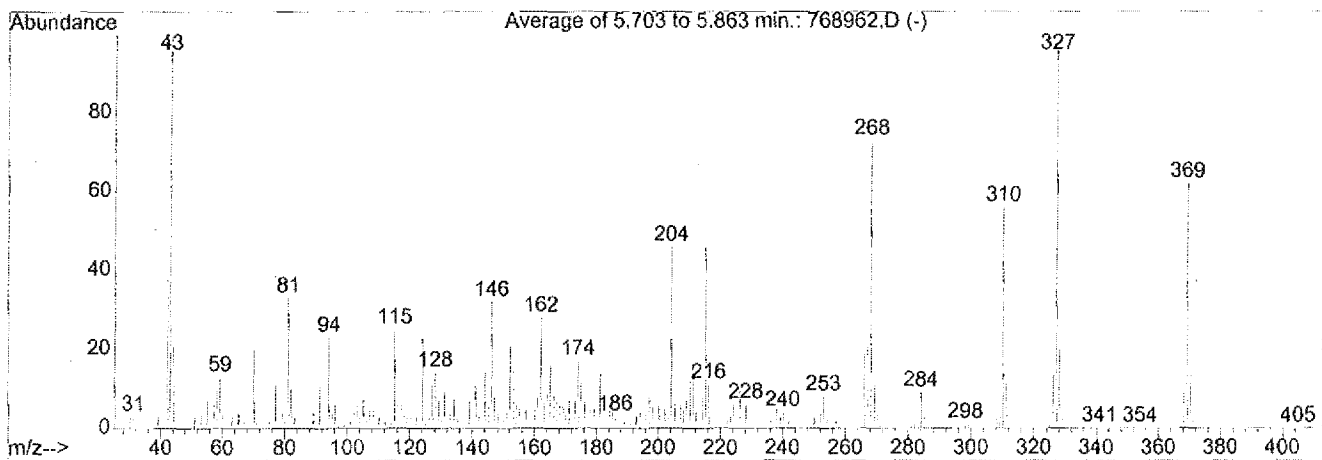
```

File Name       : F:\Q1-2011\SYSTEM6\01_31_11\768962.D
Operator        : ASD
Date Acquired   : 31 Jan 2011  23:14
Sample Name     : ██████████
Submitted by    : DCS
Vial Number     : 62
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

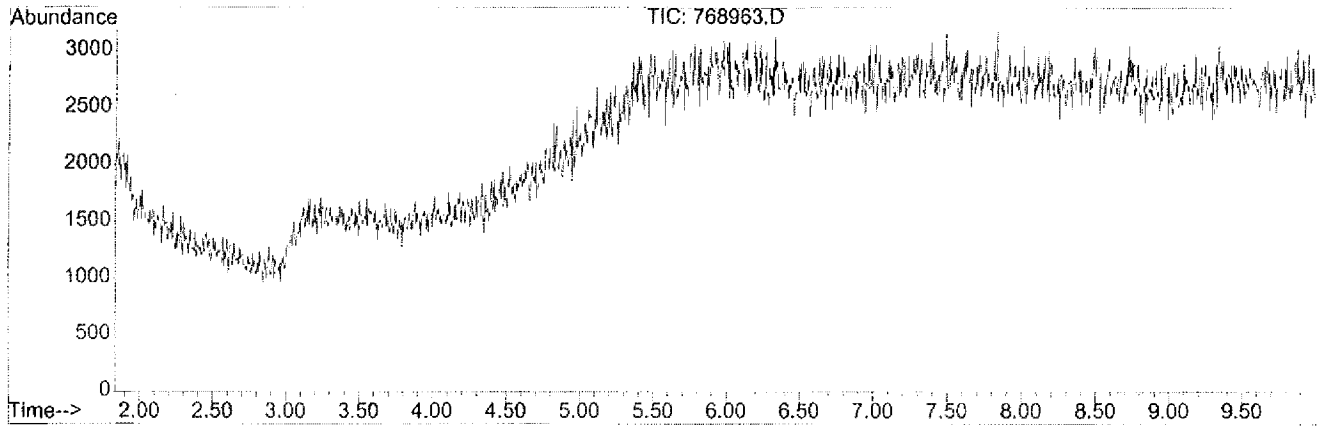
PK#	RT	Library/ID	CAS#	Qual
2	5.74	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768963.D
Operator : ASD
Date Acquired : 31 Jan 2011 23:26
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



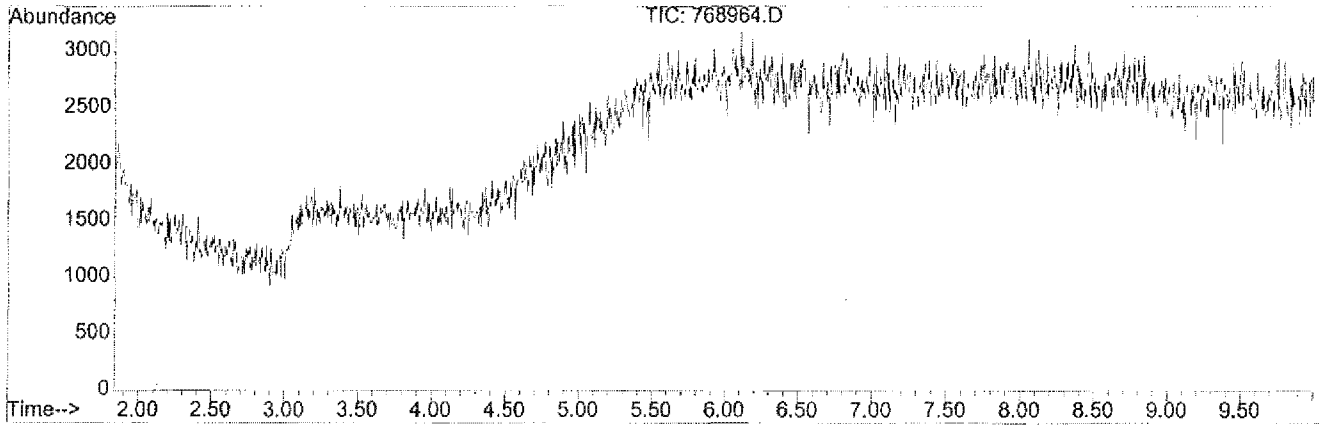
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768964.D
Operator : ASD
Date Acquired : 31 Jan 2011 23:39
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



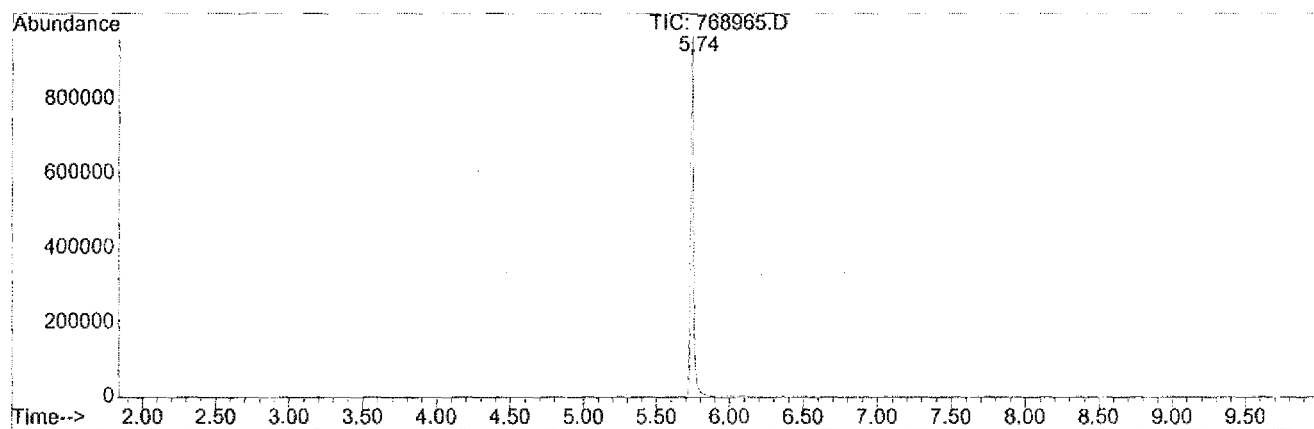
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768965.D
 Operator : ASD
 Date Acquired : 31 Jan 2011 23:52
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 56
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.744	1361780	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

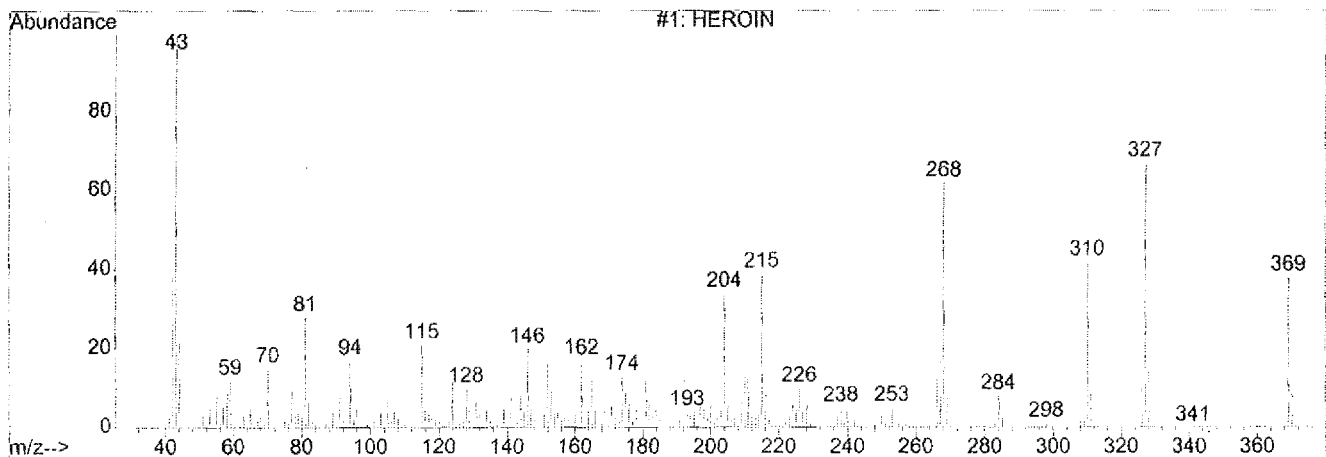
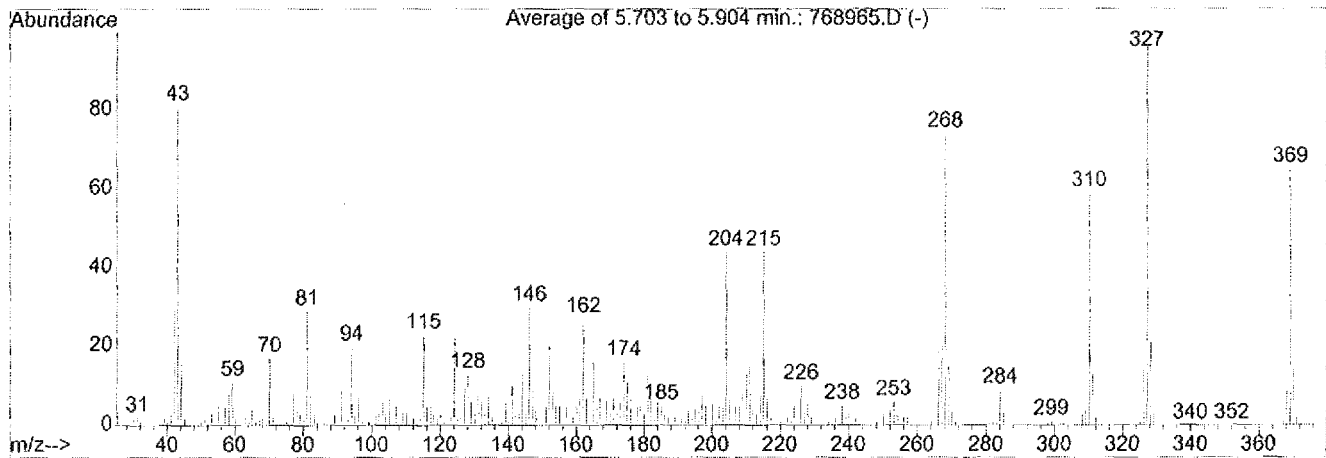
```

File Name       : F:\Q1-2011\SYSTEM6\01_31_11\768965.D
Operator        : ASD
Date Acquired   : 31 Jan 2011  23:52
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 56
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

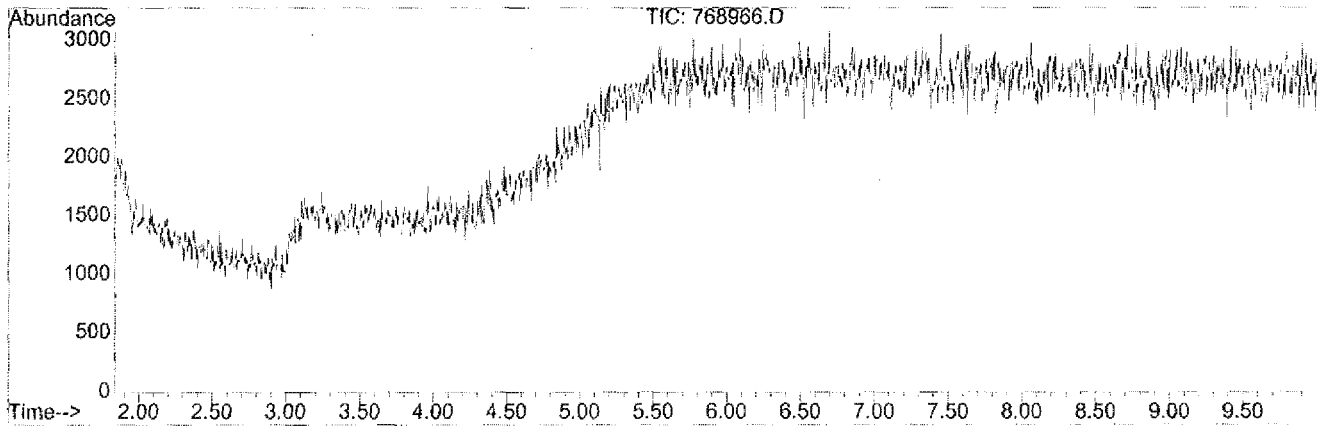
PK#	RT	Library/ID	CAS#	Qual
1	5.74	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_31_11\768966.D
Operator : ASD
Date Acquired : 1 Feb 2011 00:05
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



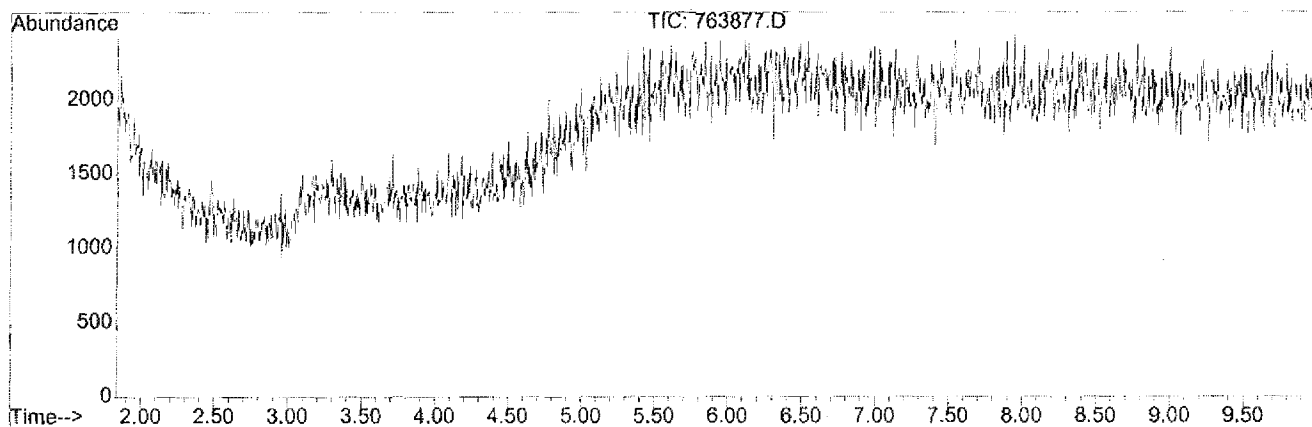
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763877.D
Operator : ASD/KAC
Date Acquired : 4 Jan 2011 23:49
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



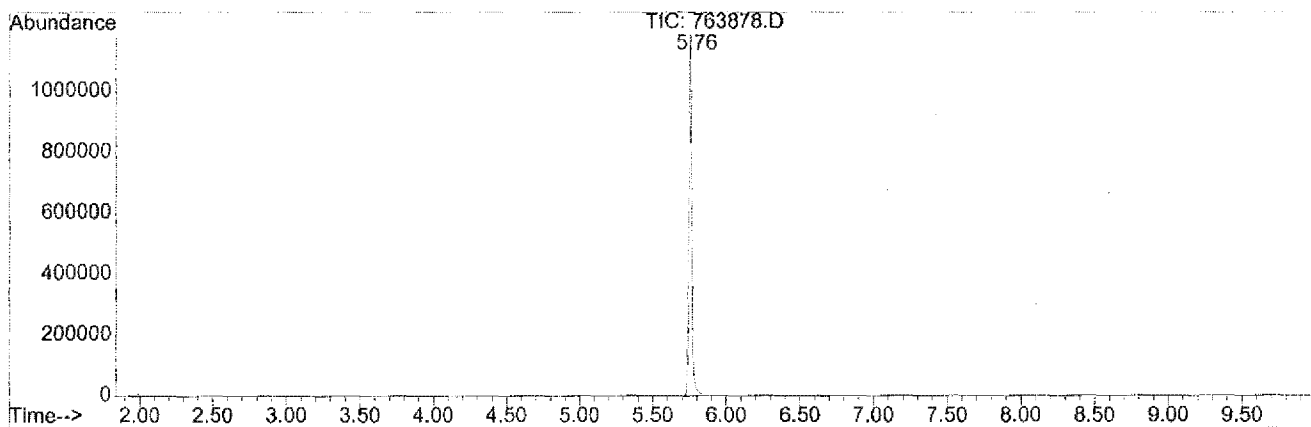
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763878.D
 Operator : ASD/KAC
 Date Acquired : 5 Jan 2011 00:02
 Sample Name : HEROIN STD
 Submitted by : ASD
 Vial Number : 78
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.756	1566849	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

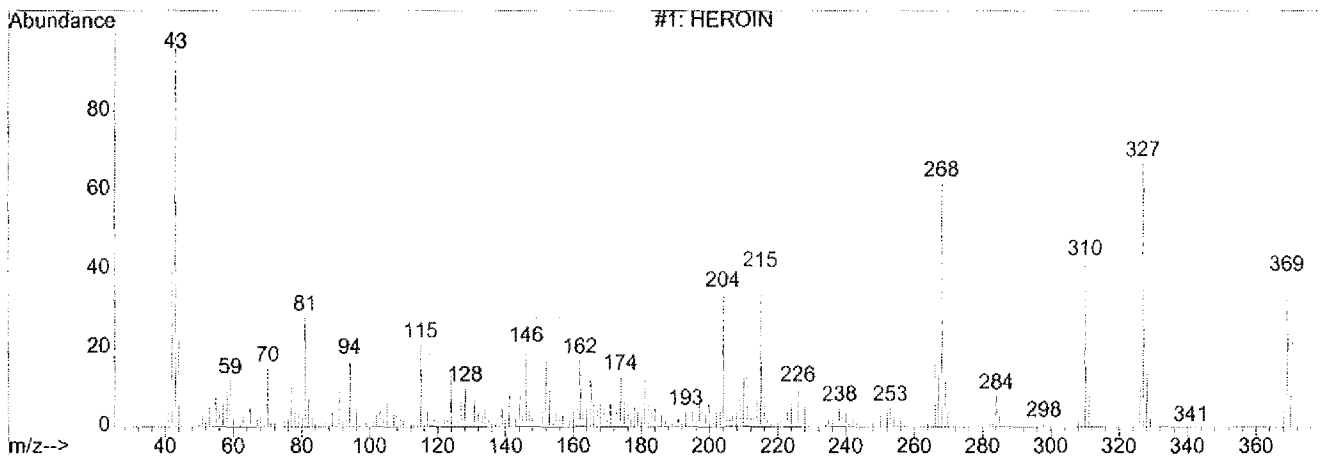
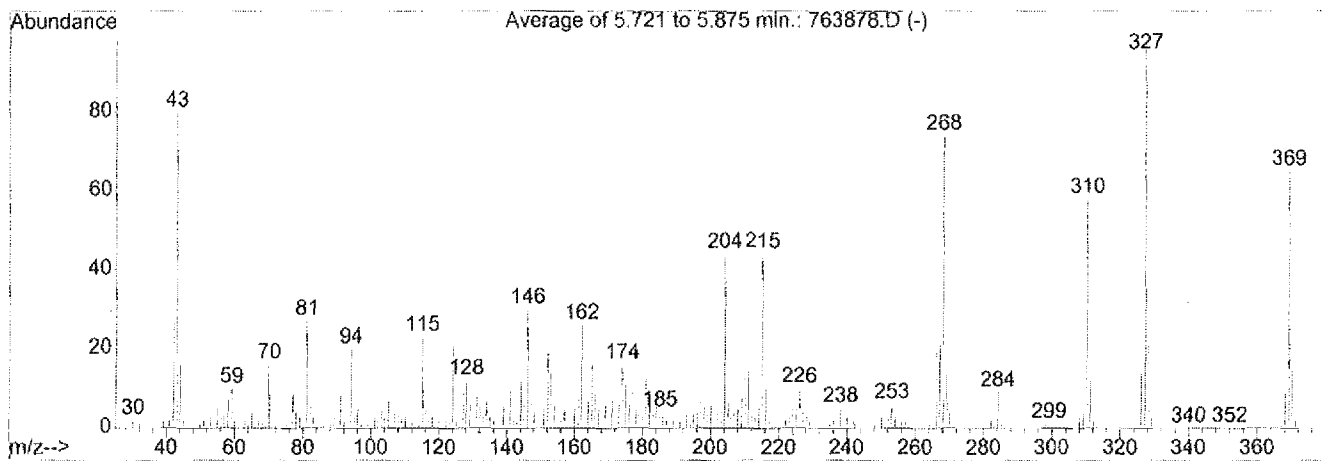
```

File Name       : F:\Q1-2011\SYSTEM6\01_04_11\763878.D
Operator        : ASD/KAC
Date Acquired   : 5 Jan 2011 00:02
Sample Name     : HEROIN STD
Submitted by    : ASD
Vial Number     : 78
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

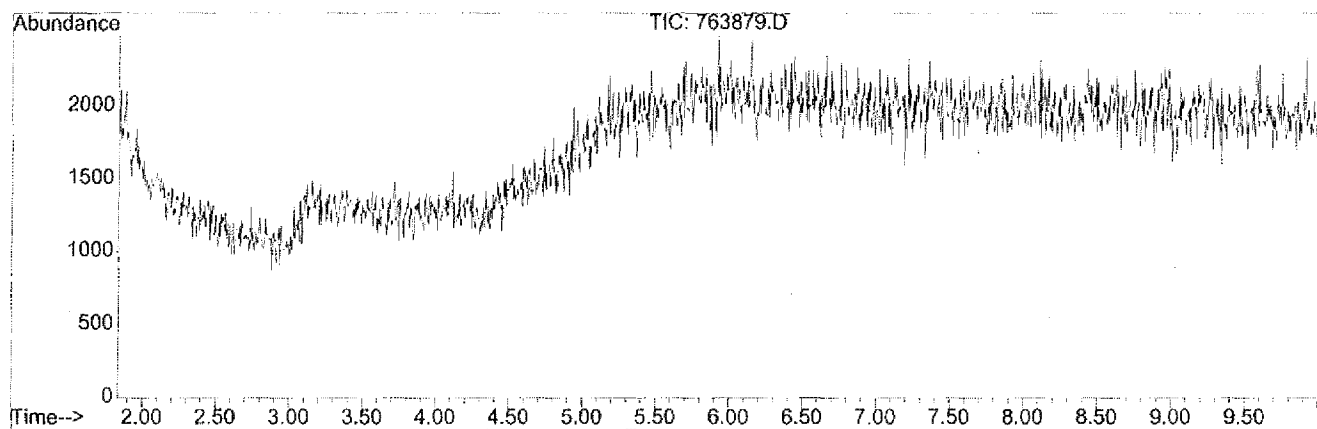
PK#	RT	Library/ID	CAS#	Qual
1	5.76	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763879.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 00:15
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



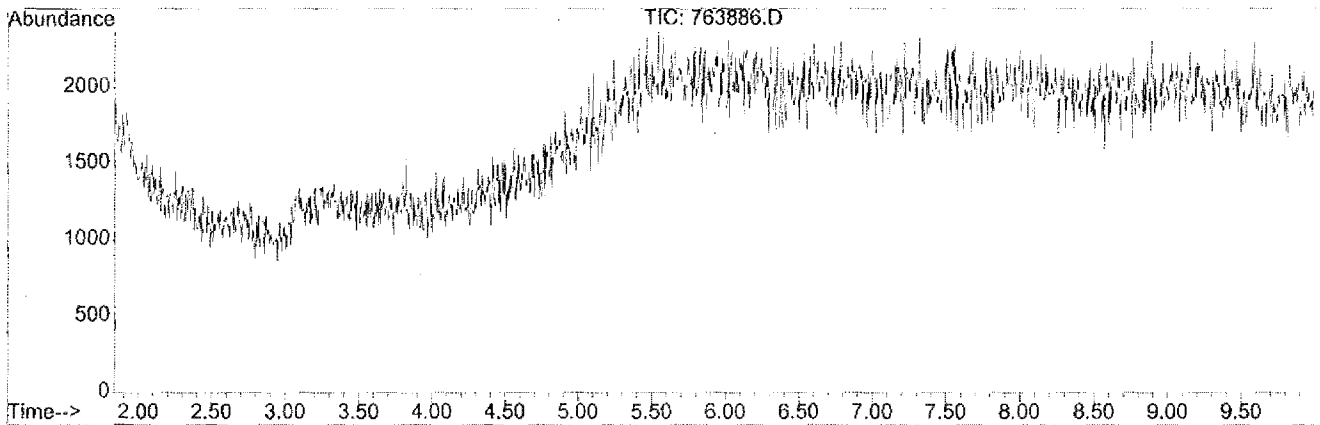
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763886.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 1:47
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



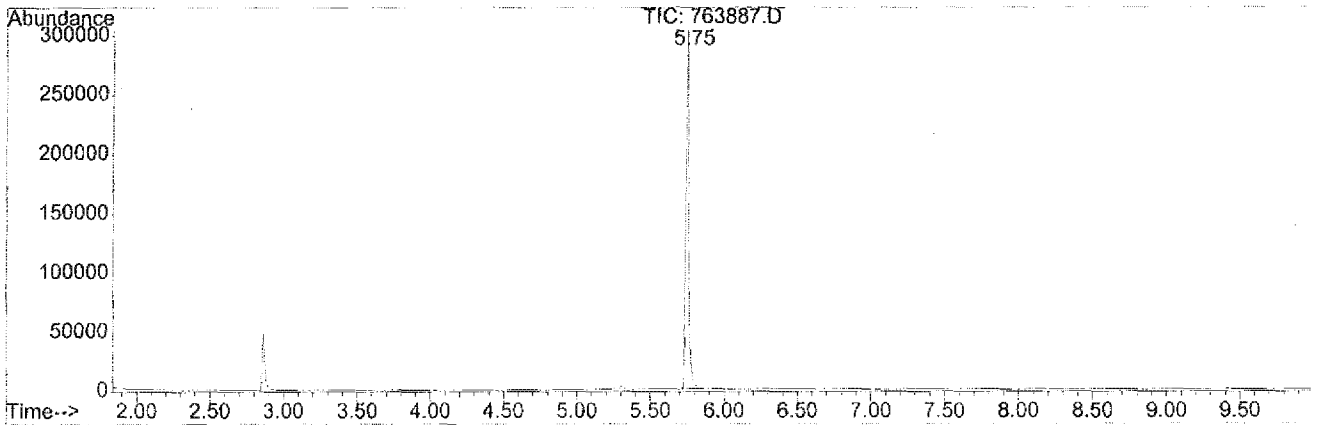
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763887.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 2:00
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 87
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.750	410622	100.00	100.00

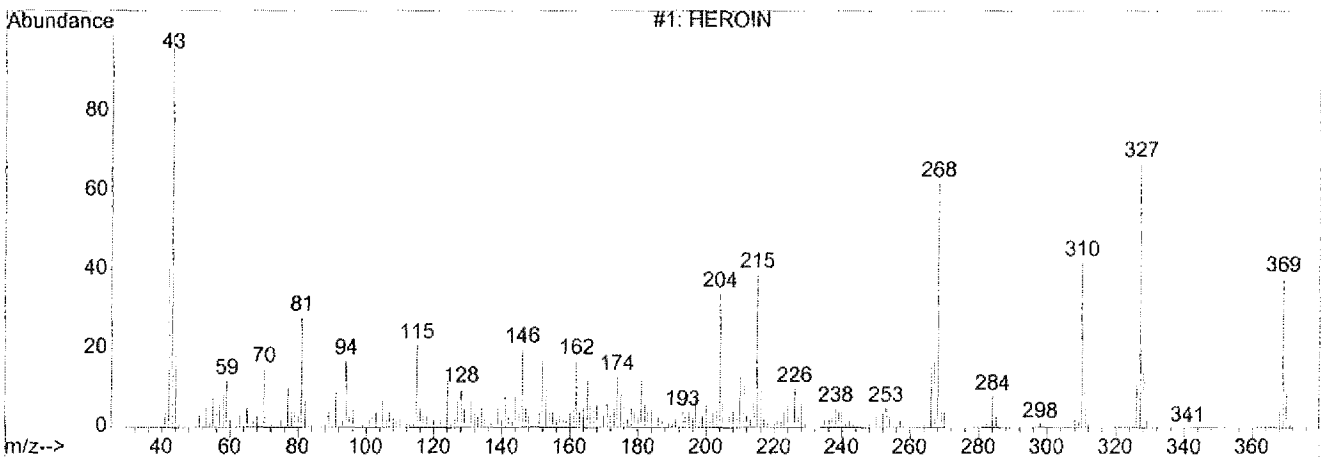
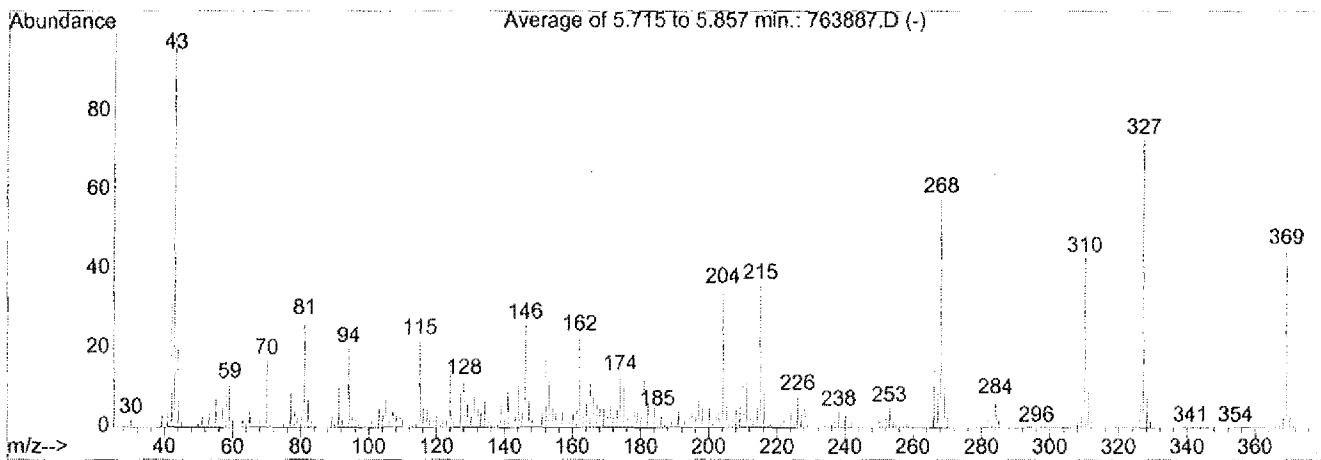
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763887.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 2:00
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 87
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

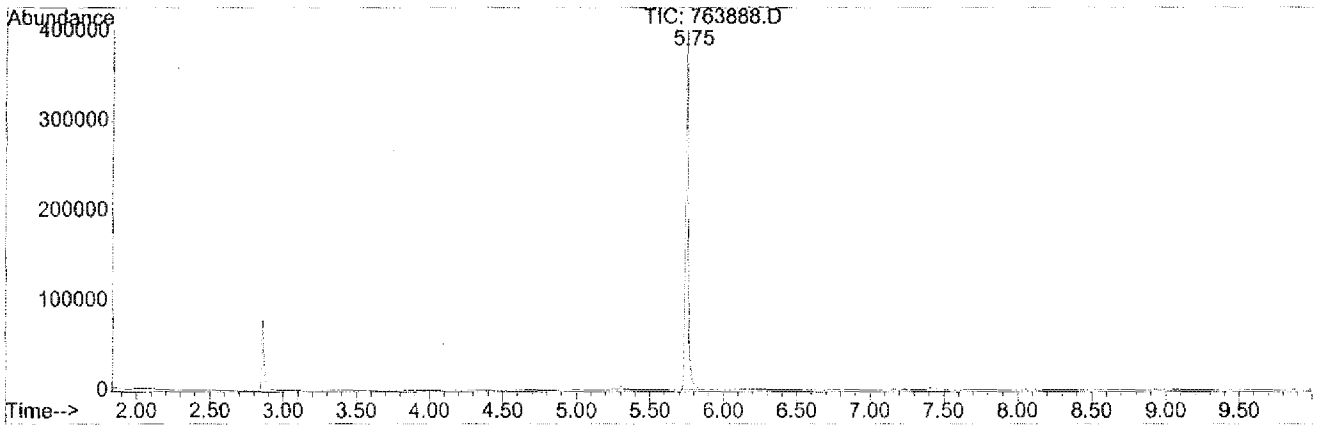
PK#	RT	Library/ID	CAS#	Qual
1	5.75	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763888.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 2:13
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 88
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.750	532911	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

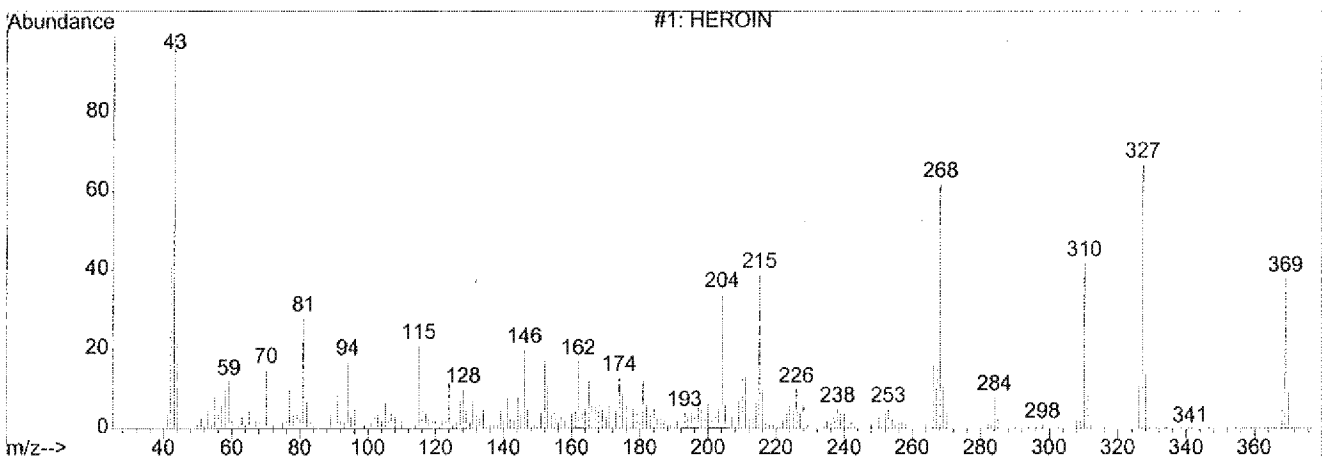
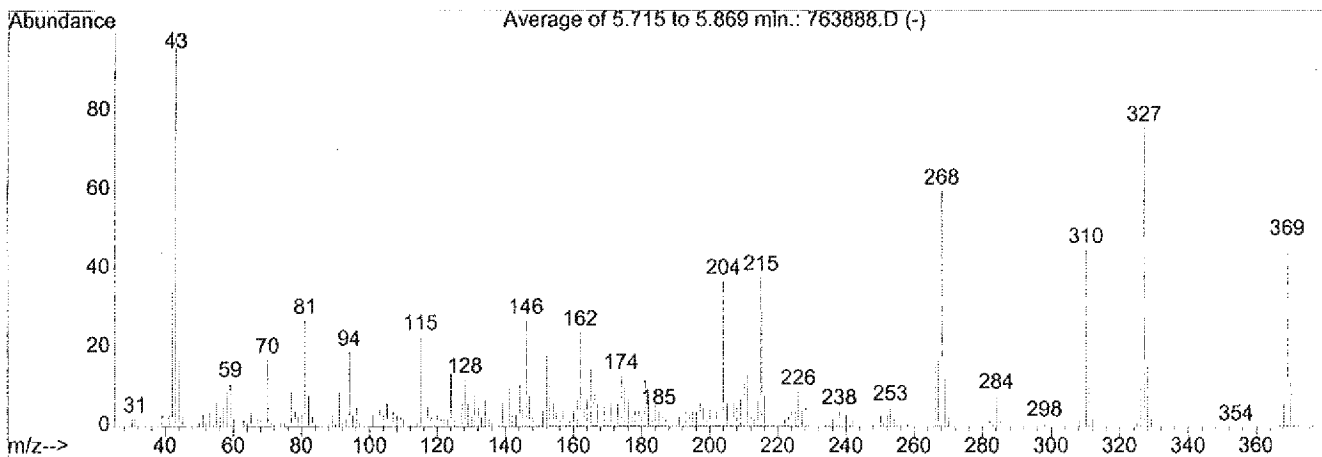
```

File Name       : F:\Q1-2011\SYSTEM6\01_04_11\763888.D
Operator        : ASD/KAC
Date Acquired   : 5 Jan 2011   2:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 88
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

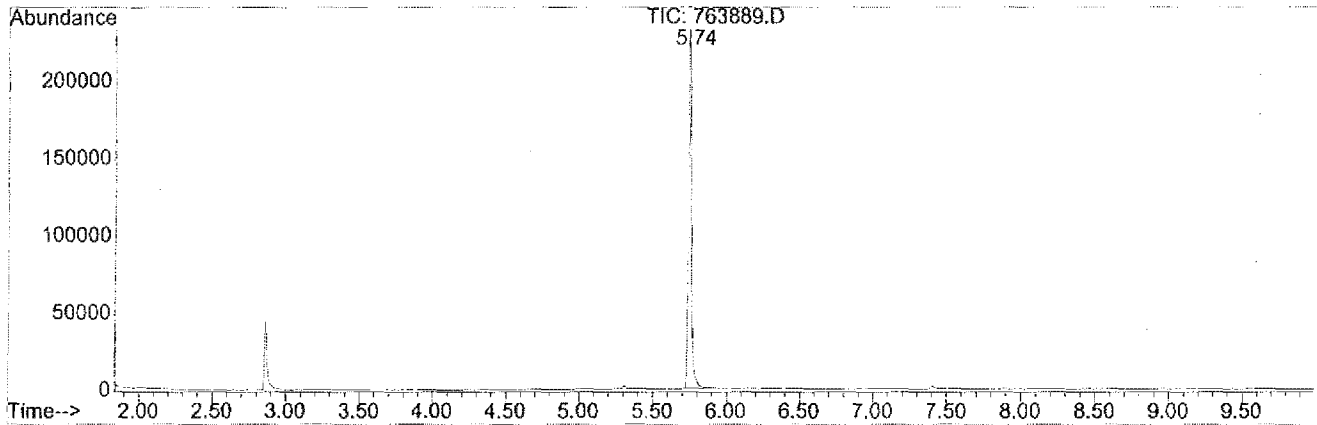
PK#	RT	Library/ID	CAS#	Qual
1	5.75	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763889.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 2:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 89
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.745	316629	100.00	100.00

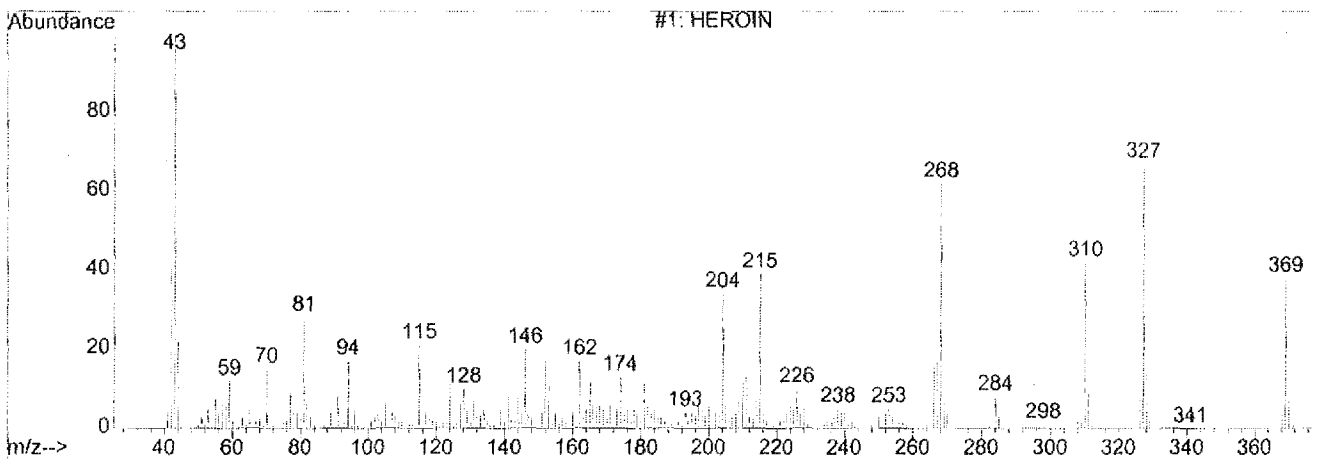
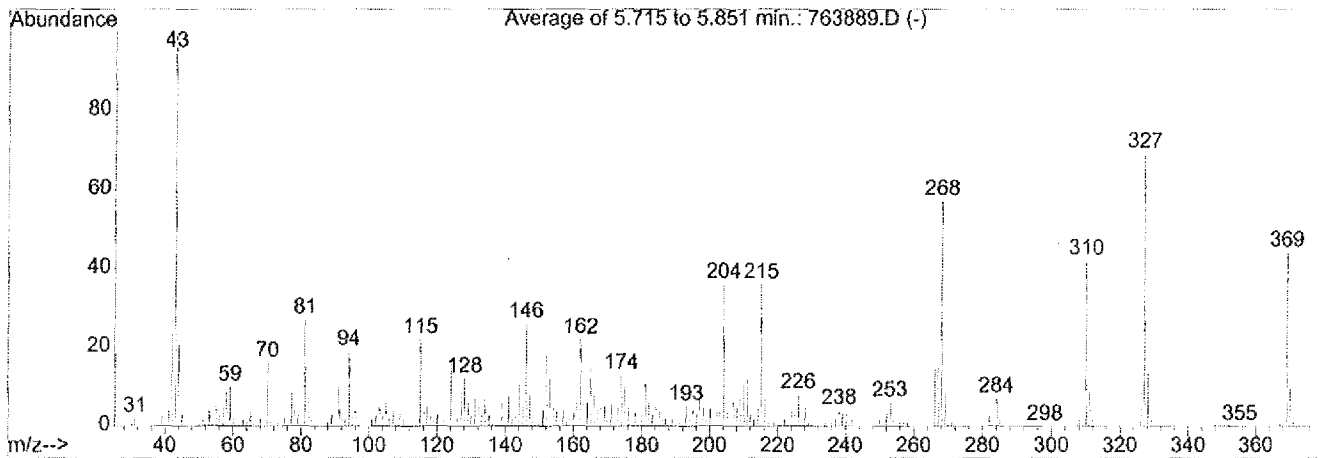
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763889.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 2:27
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 89
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

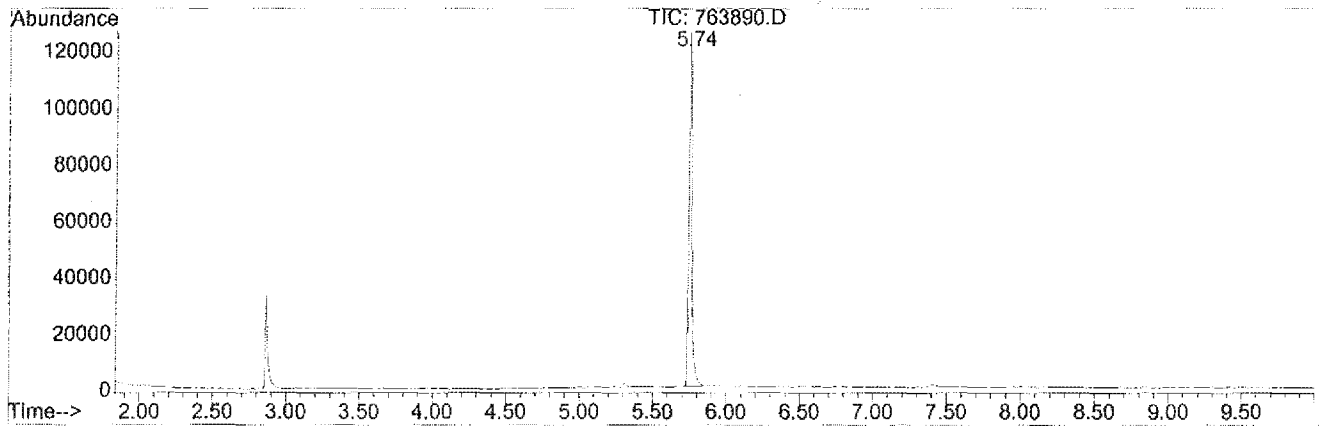
PK#	RT	Library/ID	CAS#	Qual
1	5.74	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763890.D
 Operator : ASD/KAC
 Date Acquired : 5 Jan 2011 2:40
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 90
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.744	180748	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

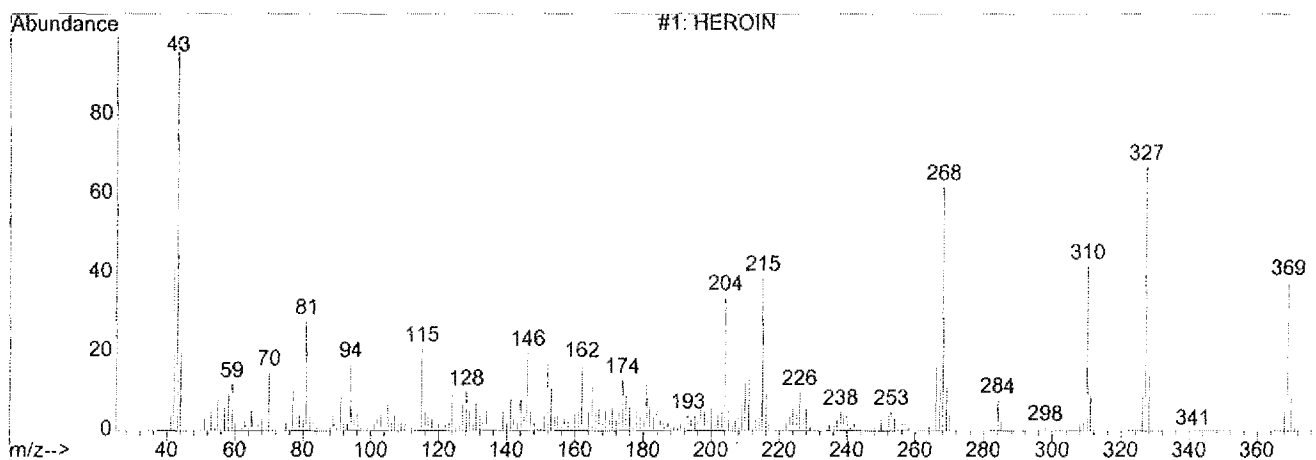
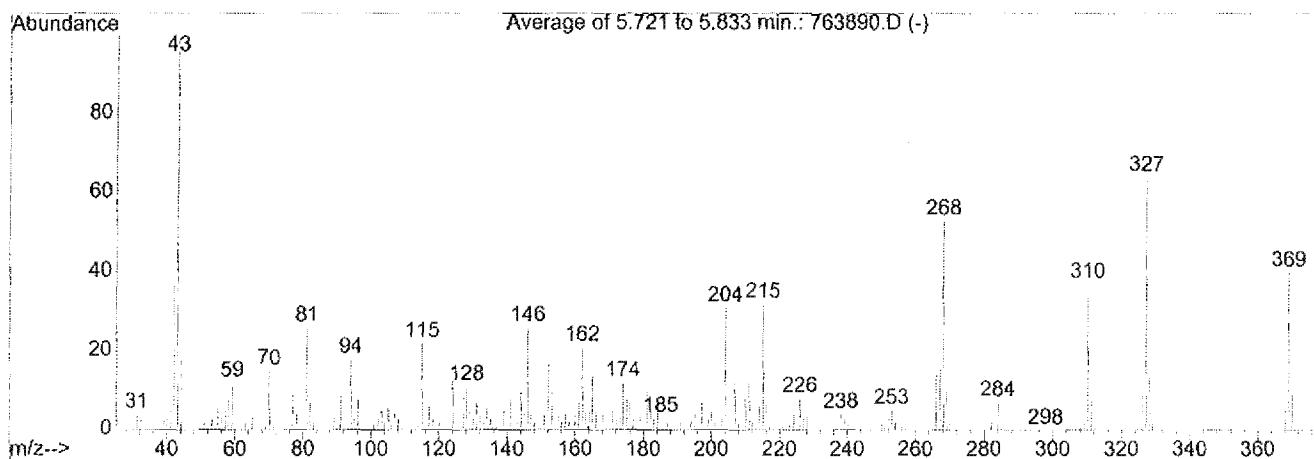
```

File Name       : F:\Q1-2011\SYSTEM6\01_04_11\763890.D
Operator        : ASD/KAC
Date Acquired   : 5 Jan 2011   2:40
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 90
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

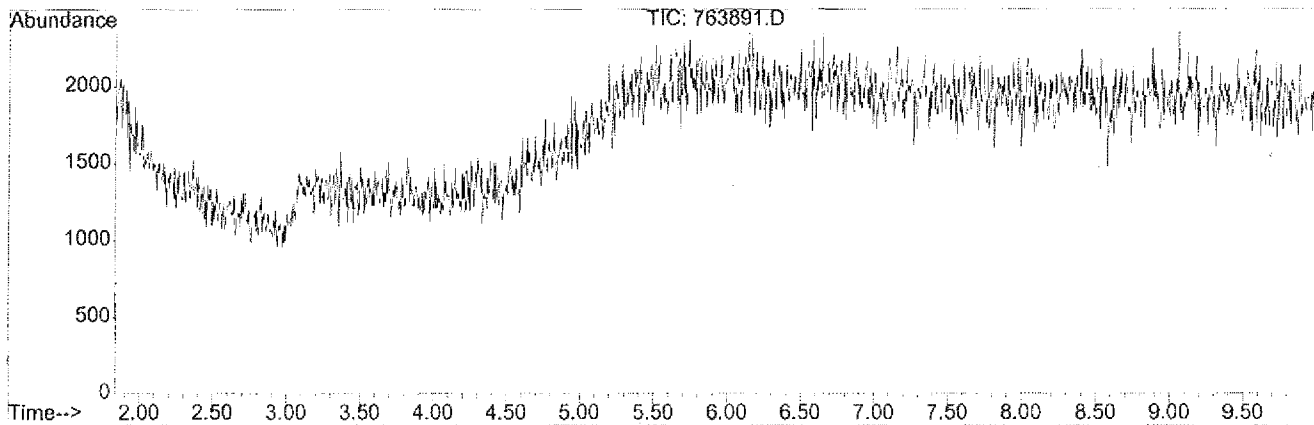
PK#	RT	Library/ID	CAS#	Qual
1	5.74	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763891.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 2:53
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



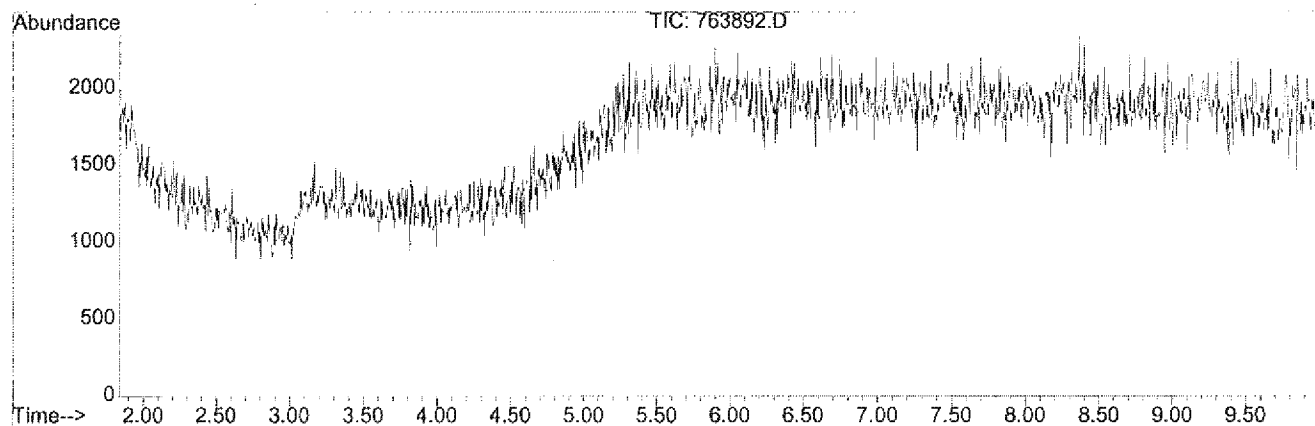
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763892.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 3:06
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



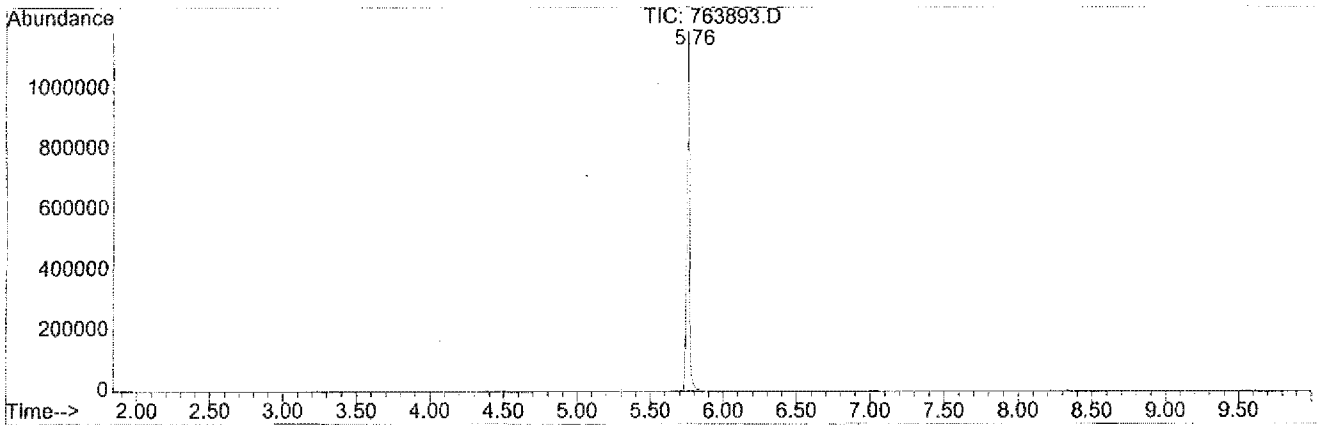
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763893.D
 Operator : ASD/KAC
 Date Acquired : 5 Jan 2011 3:19
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 78
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.756	1505319	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

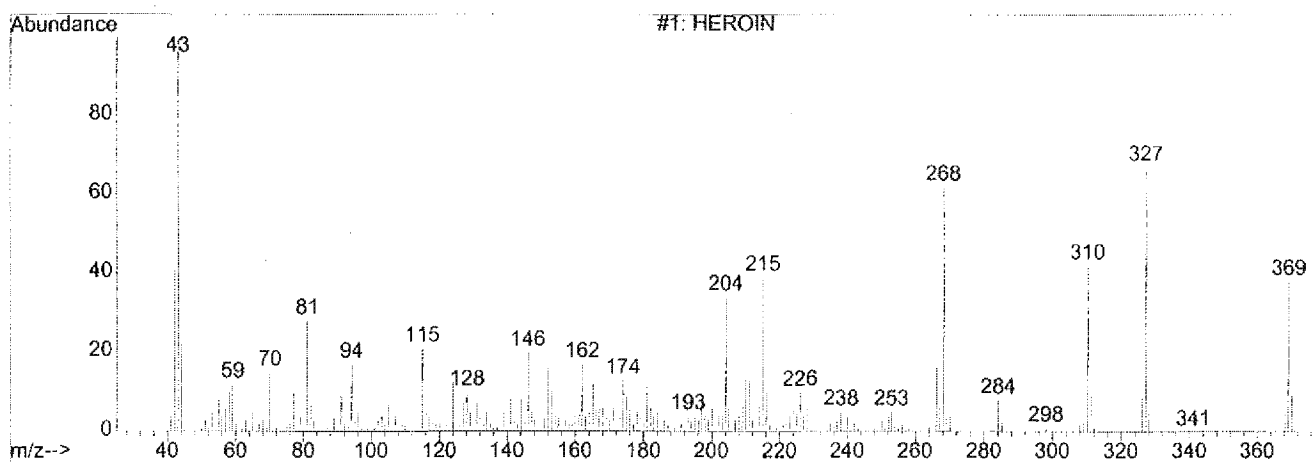
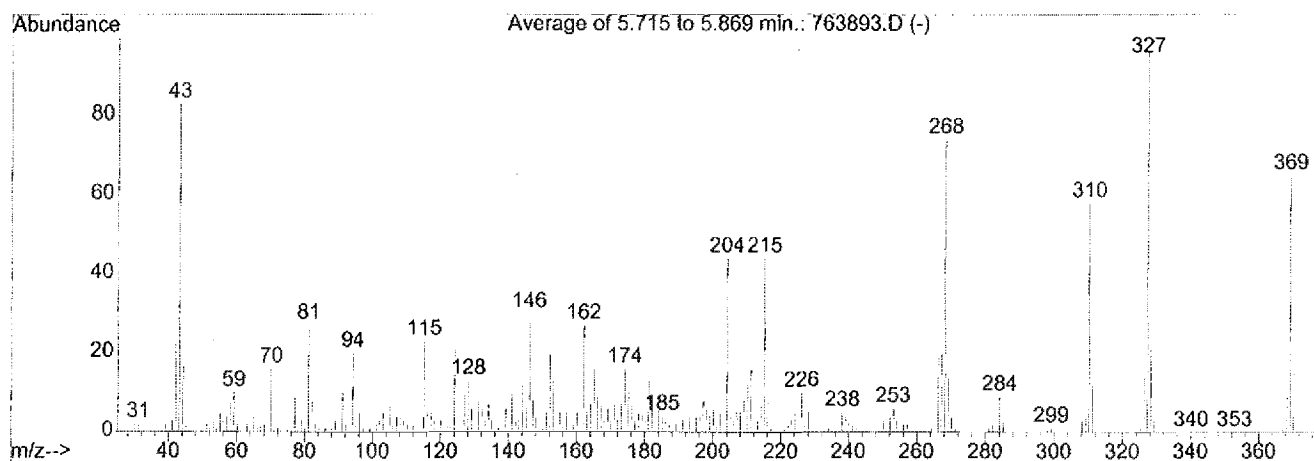
```

File Name       : F:\Q1-2011\SYSTEM6\01_04_11\763893.D
Operator        : ASD/KAC
Date Acquired   : 5 Jan 2011   3:19
Sample Name     : HEROIN STD
Submitted by    :
Vial Number     : 78
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

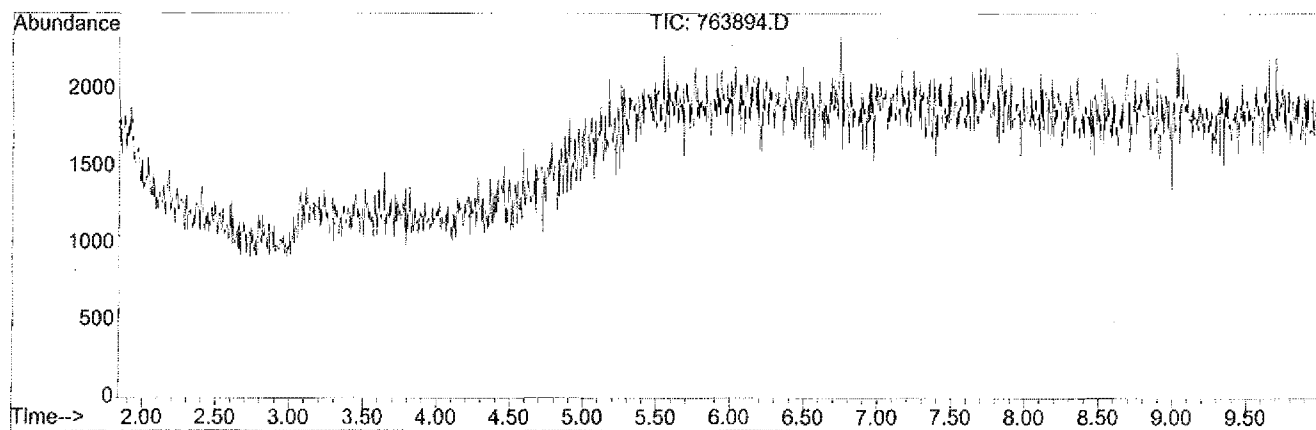
PK#	RT	Library/ID	CAS#	Qual
1	5.76	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM6\01_04_11\763894.D
Operator : ASD/KAC
Date Acquired : 5 Jan 2011 3:32
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS